

Golden Anniversary

\$5.00



Founded in 1947

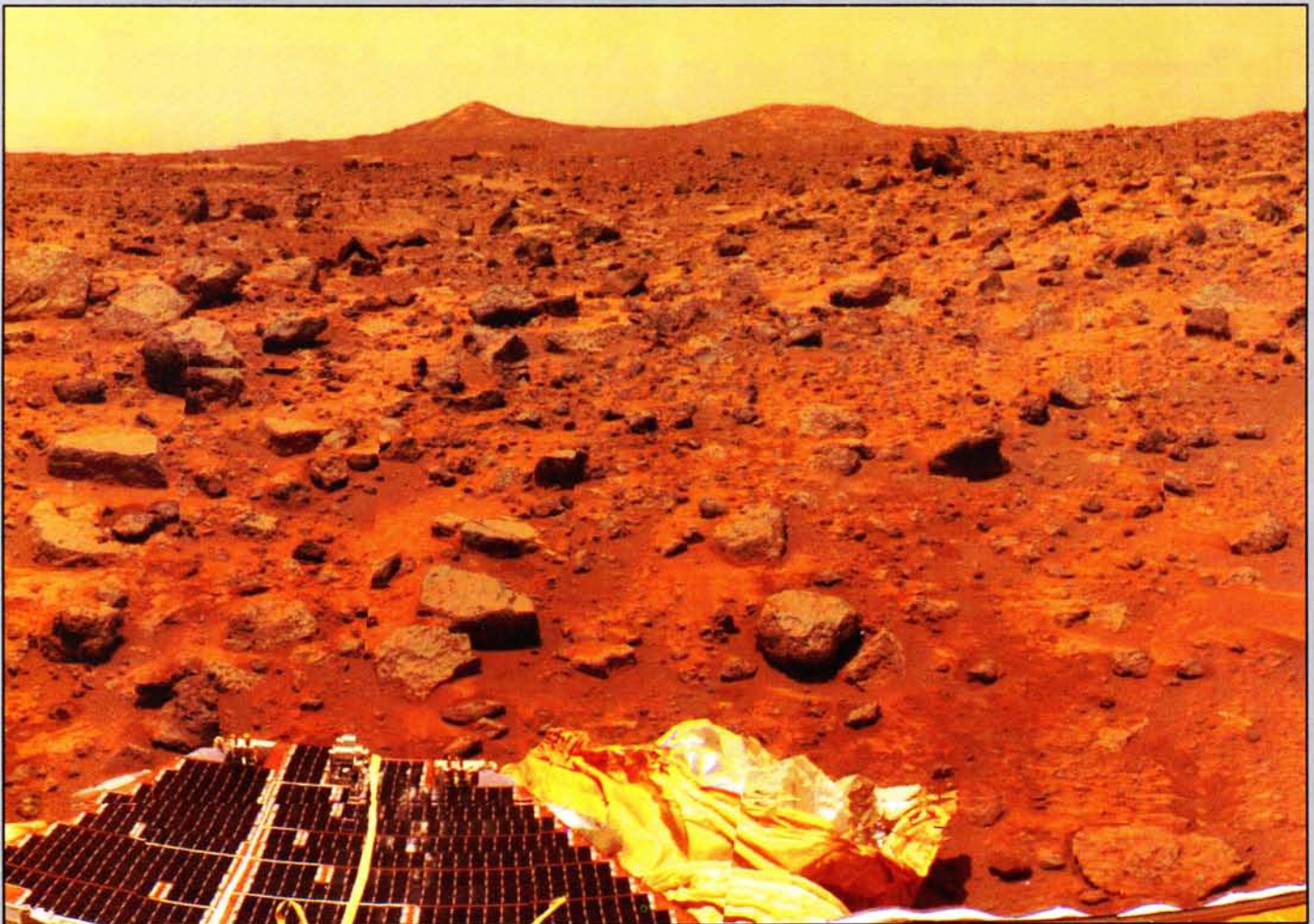
QCWA *J*OURNAL

PUBLISHED QUARTERLY

VOLUME XLVI

Fall - 1997

NUMBER 3



Quarter Century Wireless Association
159 E. 16th Ave.
Eugene, OR 97401-4017

Address Service Requested

NON PROFIT
ORG.
U.S. POSTAGE
PAID
CORTEZ, CO
PERMIT NO. 27

TUBES • LITERATURE • PARTS • SUPPLIES

YOUR COMPLETE SOURCE FOR...

TUBES:

Over 3500 audio, receiving, transmitting and industrial types in stock, including many foreign and early types. We offer the complete line of Svetlana audio, amateur radio and industrial power tubes.

TRANSFORMERS:

Hard to find power, filament and output transformers as well as filter chokes for tube equipment. We feature HAMMOND performance transformers, MagneTek and Thordarson as well as many new old stock transformers.

CAPACITORS:

High voltage electrolytic and mylar capacitors, multi-section capacitors and more for tube circuits.

PARTS:

Resistors, tube sockets, potentiometers, chassis boxes and aluminum enclosures, knobs, dial belt, lamps, diodes, speakers, wire, phonograph needles and cartridges and much more.

AUTHORIZED DISTRIBUTORS FOR



LITERATURE:

Extensive selection of literature and books on tubes, hi-fi equipment, circuits diagrams, communication gear and antique radios. Some items not available elsewhere!

SUPPLIES:

Grill cloth, cabinet restoration supplies, batteries, chemicals, tools, test meters, gifts and kits.



CALL OR FAX FOR OUR FREE 40 PAGE CATALOG

ANTIQUE ELECTRONIC SUPPLY™

LIMITED PARTNERSHIP

6221 S. MAPLE AVE. • TEMPE, AZ 85283 USA • (602) 820-5411 • FAX (602) 820-4643



JOURNAL

Celebrating Golden Anniversary

Fall 1997/Vol. XLVI No. 3

Editor

Gerry Wentz, KC4EHT

Contributing Editors

Jack Kelleher, W4ZC
FCC Highlights

Esther Given, W6BDE,
Sylver Bells

Chip Margelli, K7JA,
CQ DX

Keith Pugh, W5IU,
Amateur Radio Satellite News

Business Office

159 E. 16th Ave.
Eugene, OR 97401-4017
541-683-0987
FAX/BBS 541-683-4181
jwalsh@teleport.com

Editorial & Advertising Office

672 Indian River Drive
Melbourne, FL 32935
800-421-3279
FAX 407-242-5993
gwentz@digital.net

QCWA Internet Home Page

<http://www.teleport.com/~qcwa/>
QCWA BBS
541-683-4181
e-mail address
jwalsh@teleport.com

QCWA National Nets

SSB - Sunday at 2000Z on 14347
CW - Wednesdays at 2000E on 7035

QCWA JOURNAL is published four times a year (quarterly) by the Quarter Century Wireless Association, Inc. Membership in QCWA, including a subscription to the Journal, is available to individuals who qualify in the United States and its possessions at the following rates: \$20 for one year; \$35 for two years; \$50 for three years; and \$300 for life. For foreign membership rates, please contact the business office.

POSTMASTER: Please send change of address to QCWA, Inc., 159 E. 16th Ave., Eugene, OR 97401-4017.

Reports

- 3 President's Message by Jack Kelleher, W4ZC
- 6 General Manager's Report by Jim Walsh, W7LVN
- 6 Memorial Scholarship Fund Donations
- 18 Chapter Reports
- 40 Chapters on the Air
- 41 From the QCWA Activities Manager by Jay Strom, K9BSL
- 43 New Members

Features

- 7 The Mother of all Boat Anchors by Carl Houston, N4GJM
- 9 100 Member Award by Jay Strom, K9BSL
- 12 A Power Supply using Inexpensive Digital Volt Meters by Dick Rucker, KM4ML
- 42 Remember those "Spark Forever" Days? by Bob Baird, W9NN
- 46 Why Code? by Charles Dorian, W3JPY
- 47 Morse Madness by Peter Lumb G3IRM
- 48 QCWA Celebrates Fifty Years by Wes Randles, W4COW
- 54 And you call my 65 footer an eyesore? by Gerry Wentz, KC4EHT

Columns

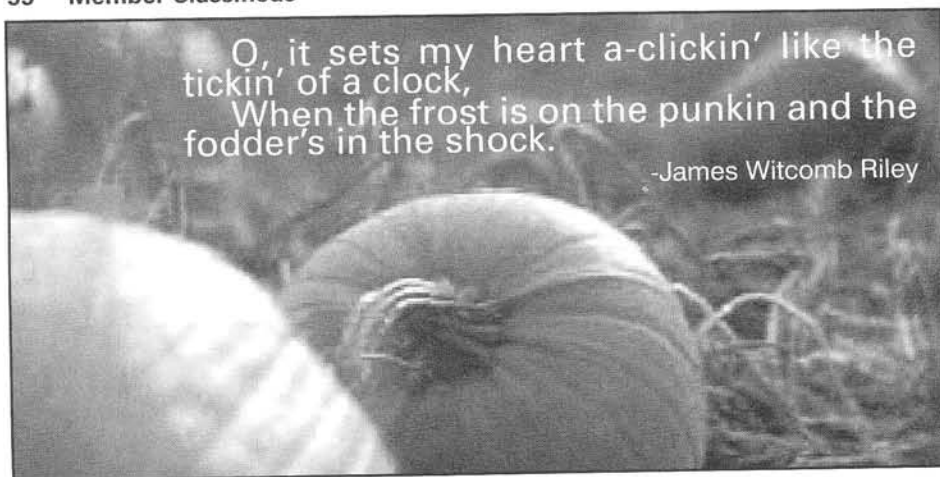
- 8 CQ DX by Chip Margelli, K7JA
- 10 Rules & Regulations by Jack Kelleher, W4ZC
- 14 Amateur Radio Satellite News by Keith Pugh, W5IU
- 16 Sylver Belles by Esther Given, W6BDE

Departments

- 52 Silent Keys
- 55 Member Classifieds

O, it sets my heart a-clickin' like the tickin' of a clock,
When the frost is on the punkin and the fodder's in the shock.

-James Witcomb Riley



QCWA Officers and Board of Directors

President John Kelleher, W4ZC,

612 Ednor Rd., Silver Spring, MD 20905-5012.
301-924-1605, Fax - 301-924-0420, w4zc@macconnect.com

Vice President Gary R. Harrison, K0BC,

P.O. Box 467, Bolivar, MO 65613-0467.
417-777-7777, Fax - 417-777-4783, gharrison@getonthe.net

Secretary Chuck Walbridge, K1IGD

6 La Clede Ave., Framingham, MA 01701
508-877-4297, chuckew@homemac.ultranet.com

Treasurer Herman Duke Knief, W2YTO,

Box 2516, Hendersonville, NC 28739.
704-891-4359, Fax - 704-891-7359, dukehc@juno.com

General Manager Jim Walsh, W7LVN,

159 E. 16th Ave., Eugene, OR 97401-4017.
541-683-0987, Fax/BBS - 541-683-4181,
jwalsh@teleport.com

QCWA home page - <http://www.teleport.com/~qcwa/>

President Emeritus Leland Smith, W5KL

10 Hawthorn Dr., Harrison, AR 72601-2302.
870-741-0473, w5kl@alltel.net

President Emeritus Lew McCoy, W1ICP

1500 Idaho St., Silver City, NM 88061.
505-388-4862, Fax - 505-538-8676, mccoy@zianet.com

Historian Wes Randles, W4COW,

44 Western Lane, Amherst, MA 01002. (summers-May 1 - Oct 1)
6002 N. Fremont Ave., Tampa, FL 33604-6306. (winters-
Oct. 1 - May 1)

Directors

Walter Brink, W3WPY, 919 Cloverfields Dr., Stevensville, MD
21666-2257. Phone/Fax - 410-643-2933, walt@friend.ly.net

Gladys Chase, W1VPF, 75 Chestnut Cir., W. Suffield, CT 06093.
860-668-0845, qrvchase@erols.com

Robert Buus, W2OD, 8 Donner St., Holmdel, NJ 07733-2004. 908-
946-8615, w2od@aol.com

Charles Dorian, W3JPT, 3521 255th Ln., SE, Apt. 19, Issaquah, WA
98029-7789. 425-391-3536, cdorian@accessone.com

John Edel, K8LBZ, 7350 Mudbrook Rd., NW, Massillon, OH
44646-1104. 330-832-5932, k8lbz1@juno.com

Robert S. Korfhage, W7CHI, 1205 Pleasant St., Walla Walla, WA
99362. 509-525-5438

Harry Lewis, W7JWJ, 10352 Sandpoint Way NE, Seattle, WA
98125. 206-523-9117, W7jwjW7qgp@aol.com

Bill McGrannahan, K0ORB, 4826 Jarboe St., Kansas City, MO
64112-1335. 816-561-0730, Fax 816-753-7100, billmcg@qni.com

Croft B. Taylor, VE3CT, 5505 Ashton Lake Dr., Sarasota, FL
34231-6256. 941-924-4540 (winter Nov-April), 3 Weatherly Dr.,
Kanata, ON, Canada K2W 1A3, 613-839-3336 (summer May-Oct),
croft@igs.net

John G. Troster, W6ISQ, 82 Belbrook Way, Atherton, CA 94027-
6406. 415-854-3939, Fax - 415-854-3333, jmtroster@aol.com



THOSE WHO HAVE SERVED

Past Presidents

John DiBlasi, W2FX (SK)	1947 - 1964
Earl R. Thomas, W2MM (SK)	1965 - 1968
Clarence Seid, W2KW	1969 - 1971
Barry Goldwater, K7UGA	1972 - 1973
Frank A. Gunther, W2ALS	1974 - 1977
Harry S. Gartsman, W6ATC	1978 - 1981
Stuart Meyer, W2GHK (SK)	1982 - 1985
Leland Smith, W5KL	1986 - 1989
Harry Dannals, W2HD	1989 - 1994
Lew McCoy, W1ICP	1994 - 1996

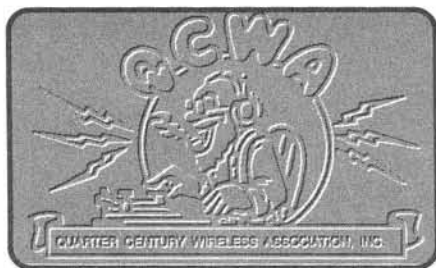
Executive Secretary/General Manager

Ralph Barber, W2ZM (SK)	1955 - 1964
Gus Gironda, W2JE (SK)	1965 - 1973
Ethel Smith, K4LMB (SK)	1974 - 1976
Ted Heithecker, W5EJ (SK)	1976 - 1991

The QCWA Journal

The Quarter Century Wire
less Association and
QCWA JOURNAL in no way
warrant the products de-
scribed or re-viewed herein.

The JOURNAL does not as-
sume responsibility for unso-
licited manuscripts. Sub-
scription to the JOURNAL
for nonmembers in the US
is available for \$20 per year.
Contact the business office
for subscription information.
The JOURNAL is available
free to blind paid-up mem-
bers on audio cassette tape.
For more information, con-
tact Blanche Randles,
W4GXZ (May 1-October 1),
44 Western Lane, Amherst,
MA 01002 (October 1-May
1), 6002 N. Fremont, Tampa,
FL 33604, 813-870-0867.



The Quarter Century Wireless Association

The Quarter Century Wireless Association, Inc. was founded December 5, 1947, as a noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art and of the public welfare.

QCWA is an incorporated association without capital stock chartered under the laws of the State of New York, and is a tax exempt 501(C)3 organization under the Internal Revenue Code of 1986.

Its affairs are governed by a President, Vice President, Secretary, Treasurer and a Board of Directors, whose voting members are elected every two years by the general membership.

In order to qualify for membership in QCWA one must have demonstrable proof of having been first licensed as an Amateur Radio operator at least 25 years prior to application for membership and must be currently licensed.

Membership inquiries and general correspondence should be addressed to the business office at 159 E. 16th Ave., Eugene, OR 97401-4017 USA. Telephone, 541-683-0987. Fax/BBS, 541-683-4181.



From the President

John Kelleher, W4ZC



Our 50th Anniversary Convention

Details on the Convention appeared in the Summer issue and again in this issue, as well as in Director Jack Troster's QCWA column in the August issue of Worldradio (page 50). Incidentally, Jack's column also includes an excellent "word portrait" on our new Secretary, Charles Walbridge, K1IGD.

Associates

I received so many objections to "Associate membership in QCWA" that I carefully reread my message in the summer Journal to see if I had unintentionally misled anyone. It appears that I may have, so the matter is "revisited" in the following paragraphs.

In my President's Message in the Summer issue of the Journal I said that the matter of associate membership in QCWA has been discussed repeatedly during the past ten years (and perhaps even before my time). That by itself is a true statement. It is true that the Board did discuss Associate membership at its spring meeting. It is also true that the consensus of the Board discussion was that eligibility for membership in QCWA should remain as is and as stipulated in the Constitution.

It was agreed that our policy should be to recognize and support participation of guests, at Chapter meetings, by hams who have been licensed less than 25 years. The Board agreed that there is no harm in calling these people associates of QCWA. This recognition does not connote membership in QCWA, and is limited to Chapter activities. Associates cannot hold national office, or Chapter offices spelled out in the by-laws; they are not recorded in the official data base at Hq.; they are not entitled to QCWA membership pins or other QCWA apparel or identification. We do hope that such an association will create a warm feeling for acquiring membership when they become eligible.

The members have repeatedly voiced objection to Associate MEMBERS, or any other action which will change the eligibility requirement crafted by our founders. So be it — an applicant must have held a valid amateur license at least 25 years prior to his or her application for membership in QCWA. We are committed to that requirement, and we owe it to the membership to maintain that requirement. That doesn't say that we should look down our noses at the later generation; in fact, doing the opposite is the key to the continuing health of QCWA.

Consideration of this matter was an outgrowth of our concern that QCWA membership has not substantially increased for several years. I myself did a limited survey of the data which appears in each issue of the Journal. During the years 1992 through 1996 we recruited about 4000 new members. During the same period there were some 2200 silent keys. Yet our dues-paying membership did not increase appreciably. What happened to the other 1800? The inference is that there were 1800 non-renewals. Why?

Making QCWA membership more attractive to current members and prospective members alike will be a continuing item on the Board's agenda.

New Membership Directory

By the time that you read this the New Membership Directory will have been mailed to about five hundred members who requested a free copy prior to May 1st, to those who subsequently submitted orders at \$7.00 per copy, and to all Chapter Secretaries. (This plan was announced in the Winter '96 issue of the Journal (page 3) and in the September-December, 1996 QCWA Hotline Report (Vol. 18, No. 3).

Copies of the 1997 Edition are available at \$7.00 per copy. Approximately one third of the Directory will

Continued on page 4

President's Message Continued from page 3

be updated each year. The cost of updates has not yet been finally determined, but it will probably be around \$5 per copy including postage. The new edition and the updates will be in loose-leaf form to facilitate incorporating changes.

Scanning the News

House-sitting and grandchild-sitting in Pennsylvania during the last week in July gave me an unusual opportunity to catch up on my reading.

On thing I ran across and recommend to you for reading is Fred Maia's column "Washington Readout" in the August issue of CQ Magazine. Fred's topic is "History of the Morse Code Requirement in the Amateur Service". Among other things, he explains the dependence of FCC Regulations on guidelines in international telecommunication agreements to which the U. S. is a signatory. His subheadings are The Early Days of Communications; International Agreements; Morse Code QRTs on the High Seas; The International Amateur Radio Regulations; The IARU; and finally WRC-95, WRC-99 and Morse Code.

Another item is Steve Mansfield's "DC Currents" column in the August issue of QST. Steve's subject is "Balancing the Budget, the Spectrum, the Future". He discusses government activity to identify new areas of spectrum for auction, reporting that "... for now, Congress is placing its hopes on the so-called 'recaptured broadcast spectrum'. These are frequencies used for analog broadcasting that broadcasters will return to the federal storage bin when they convert to digital TV...". (This matter is treated at great length in an FCC Report last April. The Report and Order and its Appendix occupy about 250 pages; the News Release and its attachments are 14 pages long). The return date is anticipated as about ten years perhaps more down the road. I read an article in the Philadelphia Inquirer which casts doubt that these frequencies will be returned then—or ever. I'm concerned. If these frequencies are not returned, will this increase pressure on Amateur Service allocations?

Nominations

Director Bill McGrannahan's reports, as Chairman of the Nominating Committee, the following candidates for office for the two-year period commencing September 1, 1998.

For President: Gary Harrison, K0BC; For Vice President: Croft Taylor, VE3CT; For Secretary: Chuck Walbridge, K1IGD; For Treasurer: Duke Knief, W2YTO.

CANDIDATES FOR DIRECTOR

Robert Buus, W2OD; Gladys Chase, W1VPF; Charles Dorian, W3JPT; John Edel, K8LBZ; Robert Korfhage, W7CHI; Harry Lewis, W7JWJ; Bill McGrannahan, K0ORB; Archibald C. Doty, K8CFU; John McKinney, W0AP; S. Felton "Mitch" Mitchell, W4OA; Alan Pickering, KJ9N; John Swafford, W4HU; Lewis McCoy, W1ICP

Members are reminded that the deadline for petition candidates is **December 31, 1997**. According to the By-laws, petitions must be signed by at least 25 members in good standing, and addressed to the General Manager.

73 Jack

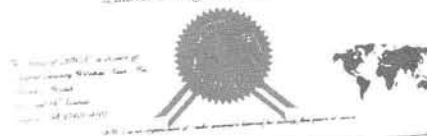
Display with pride your personalized, enhanced

STATION ID

Amateur Radio Station

W2MM

Issued by the Federal Communications Commission, Washington, DC
as the official station ID of the
Quarter Century Wireless Association



ID includes your personal and license data; areas of your interest; seal embossed with an amateur radio motif; color enhancement; parchment paper. It is a distinctive, official identification of your hobby.

Item #1 - With 9 X 11 wood frame for wall mounting,
\$22.95 Postpaid in the US.

Item #2 - With deluxe wood frame for surface or wall
mounting. \$28.95 Postpaid in the US.

Please complete below. Print clearly as the ID will reflect your data exactly.

CALL SIGN _____

LICENSE CLASS (IF DESIRED) _____

NAME _____

STREET _____ CITY _____

ST _____ ZIP _____

DATE OF ORIGINAL LICENSE _____

(If original license is another call and you would like this shown, please list here) _____

ASSOCIATED WITH (i.e. ARRL, QCWA, OOTC, DXCC, etc.) (Limit 4)

1. _____ 2. _____

3. _____ 4. _____

Mail your order to QCWA Headquarters with your check. Allow about 3-4 weeks for delivery

This is a wonderful addition for your shack and the frames are real wood and come with Plexiglas for safety and durability.



Editor's Corner

Well, I have arrived. I have officially assumed the reins as Editor of the QCWA Journal, taking over from Barry Wiseman who did a most commendable job for several years. I expect you will see a few differences in the Journal since each editor has his own opinion how things are to be done.

As most of you know, there was sharp division on some confrontational issues but fortunately I was waiting in the wings when they occurred. I think it is reasonable to assume that the Journal will publish material that is consistent with the philosophy and standards of the QCWA judiciously avoiding issues that are counterproductive or confrontational. Those are matters for the Board of Directors.

I have just finished weeding through the mounds of material to prepare this fall journal. There are a few things that would make matters better for Jim Walsh and me; use good penmanship (write legibly) or best - print; if typing, please don't use ALL CAPS or if using a "real" typewriter or printer, try to use a ribbon that produces type that is within the range of visibility of a normal person. I don't think we have any secrets at QCWA so no need for secret invisible messages. I noted with satisfaction that no photographs were marred or destroyed by heavy-handed ball-point "engraving" of captions on the backs so no problems in that area.

In my travels throughout the world of amateur radio, I have noted that most of the genuinely interesting stories about ham radio are locked in the brains of QCWA members. Although they are eager to tell the stories, they are most unwilling to write them down. We would like to get them documented or one day, they will be gone forever. If you have an interesting tale to share, let me know and I'll be glad to assist you in writing the story. Unfortunately, people of all ages are still traumatized by memories of those 100-300 word essays in high school that were surely unreasonable requests, probably impossible to prepare in two weeks, and the first good reason you could give your parents for quitting school when you reached 16. Even if you still have an aversion to writing, give it your best shot and let me take it from there.

Yee ole editor enthusiastically welcomes humorous anecdotes. I try to spice up any publication with a generous dose of humor be it subtle or plainly outrageous. It seems that there are far too many invasions of our mental sensibilities via TV, radio, newspapers, Internet, et al and one should expect to read the latest copy of the Journal and be enlightened, informed, encouraged and maybe - entertained.

And now for some serious matters.

Mouse Mileage

Two months ago, I purchased a new Microsoft Mouse with Wheel that when properly installed, allows you to

scroll a page by spinning the little middle wheel. However, the mouse came with software that, in addition to all sorts of functions and options, included an odometer that tracks the distance the mouse traveled since date of last reset. Somehow, I am having some difficulty in interpreting the results of this handy statistic.

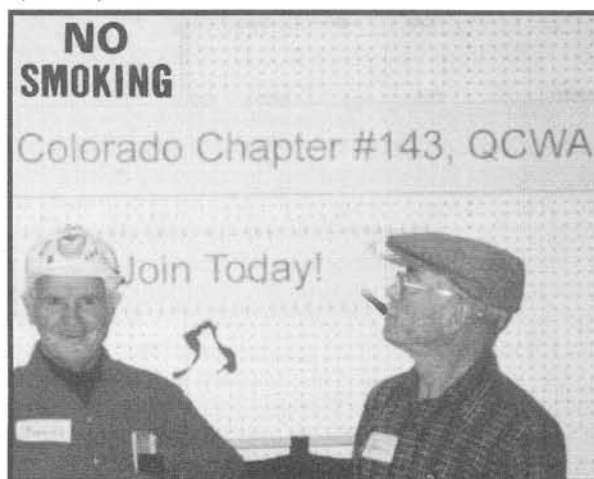
Starting on June 8, 1997, the mouse has traveled three miles and 2062 feet. Since I am essentially fueled by coffee, I calculated that I have consumed 2144 ounces of coffee in the 67 days (based on 4-eight oz. cups/day). Making good use of the math coprocessor of my computer, I figured that I have used 16.75 gallons of fuel (coffee) while traversing my 3 miles, 2062 feet. If my calculations are correct, I figure that I am currently averaging 4.939 miles per gallon on my mouse. Now that doesn't strike me as a whole heck of a lot but then, I'm not really sure what the mileage of a good mouse should be. Perhaps one of the more enlightened readers could let me know.

I wish to thank all of you who sent me letters and e-mail messages to welcome me to your organization. I also received a generous number of suggestions which never go unheeded but sometimes are difficult to put in place. But when suggestions or objections assume a common theme, it doesn't take a rocket scientist to realize that changes are in order. So share your opinions with us.

I guess that will wrap it up for this quarter. I hope to see and meet many of you in KC. Reminds me of a song - "Goin' ta Kansas City ...Kansas City here I come." Whatever. Ger//

CRAZY CAPTIONS

Certain photographs, although taken with the best intentions, are vulnerable to the airbrush and derranged mind of the Editor with humorous consequences. See the original picture with the Chapter 143, North Colorado Chapter report.



DANG! I DIDN'T SEE THAT SIGN.



Gen. Manager's Report

Jim Walsh, W7LVN

Well, the good news is coming out of Kansas City with details of the 50th anniversary celebration in October. It promises to be a great event and a lot of our people have indicated they will be there. It is not too late to get a group together and plan the trip to Kansas City. Elsewhere in this issue are details of the event.

The Directory has been printed and mailed to all who requested a copy prior to May 1st, 1997. The loose leaf format is being well accepted and if our plans work out we will publish an update of about 1/3 of the call areas each year. This will give everyone a more up-to-date directory than we have had in the past. The weight of this initial issue was such that it could not be mailed at a bulk rate and we also had a few more pages than in the 1993 issue. We have some extras at Headquarters and the cost, prepaid mailing, is \$7.00 which is just equal to our cost. I know, from the correspondence, that there are those who did not request a directory, and here is your chance to obtain one.

Last time I mentioned that the latest activity is working with a GPS unit. Thanks to John Parken at CommSystems Intermountain, in Salt Lake City, our moving map program called VISTA is working flawlessly and several local amateurs are following with their activities so we can present a good group for mobile emergency work this coming year. More to learn but that keeps you young!!

Our recruiting activities are going great and we have, at this time, one individual who has really gone all out with obtaining members for QCWA and for their Chapter. A reminder to Chapter secretaries to start to compile the membership activities of their members for a year end report. Just think, 50 years ago QCWA got their start.

This summer has also included educational time at the local community college school getting a good start with the Microsoft program called Access. This is a data base program that will replace our present dBase IV program. The dBase program was updated but somehow the company has really not given any support. Access is fast, very versatile and is not all that difficult to master. As with all things involving computers a number of other items are going to be changed so that we are in top notch condition for the future. For all you secretaries out there who run PCs take a look at the program Access for a data base for your Chapter activities. Under Windows 95 it interfaces directly with WORD and EXCEL allowing for a number of great presentations of your data.

A new Chapter chartered, Mid Sierra Chapter # 198, in California. Robert Tauxe, W6JTA is President so drop him a line of welcome.

Next year is election year. The nominating committee has turned in their report and you have until the end of December 1997 to turn in a petition (25 names of current

members) to nominate someone to run for the BOD. Remember this being on the BOD is a 'labor of love' as there is little reimbursement to an officer or director for their activity as a BOD member. Also, if they are perhaps computer literate and use e-mail, that would be a great help. This year is our first year of utilization of e-mail and we have all but one of our BOD members active in that respect. 73, until next time W7LVN

Memorial Scholarship Fund Donations

DONOR	HONORING
W4NZJ RADIO AMATEUR TRANSMITTING SOCIETY CHAPT 73	W0SUP
CHAPT 80 CHAPT 70	ALL RECENT SILENT KEYS K4NS RECENT SK'S OF CHAPTER 70
CHAPT 55 CHAPT 55 W5MD	W9ANC W0OBB
CHAPT 38 CHAPT 131 CHAPT 54 W5KL & WA5WAR W0PUJ	K5DB K8ZBP
W8LIL W0GFQ W6BRM KJ4N W6ISQ	W8GFN MR & MRS HARRY SNYDER
CHAPT 126 CHAPT 134/K1DPM CHAPT 41 K8ZNC	K4LMB
CHAPT 64 W0GFQ CHAPT 41 CHAPT 164 FRIENDS OF WIRE- LESS, INC CHAPT 122 W6EEN ??	W4QI W5IS K8GOP K5DIT MR & MRS FRANK COOPER W5OGZ & W5JN W1ICP

The Mother of all Boat Anchors

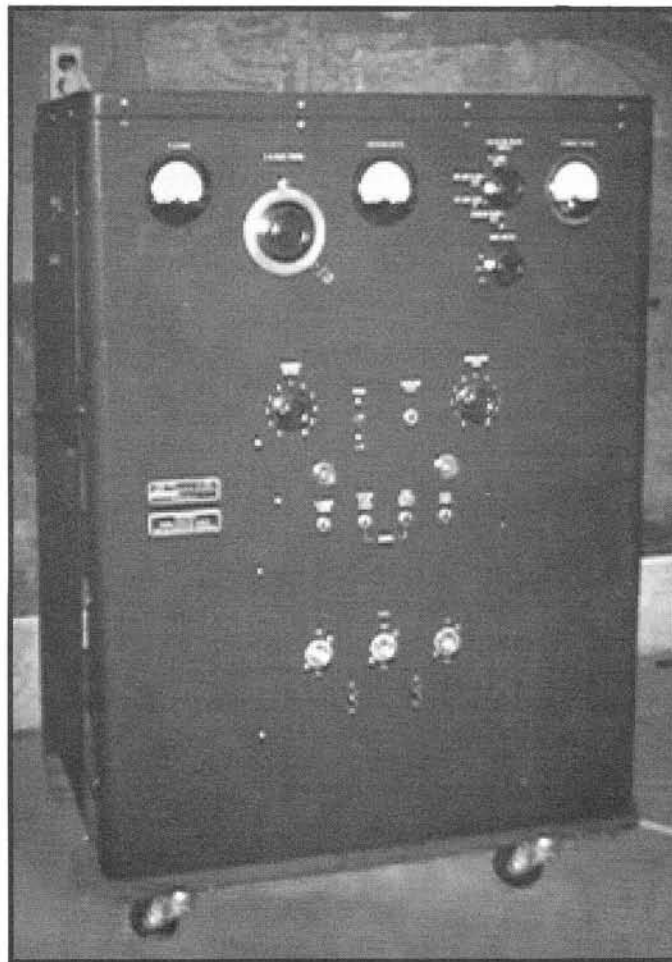
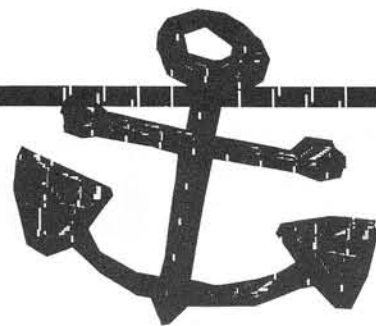
by Carl Houston, N4GJM

Reprinted from SKIP Magazine with permission of author - and me. - Ed.

At one time or another, most of us have used or been in contact with someone using Collins or Hallicrafters (or other) radio equipment.

These highly-respected names on old radios have all but disappeared from the communications scene in favor of the easier-to-use modern rigs from various builders in the Orient or from a handful of USA manufacturers. I am no different in opting to get the latest in updated technological offerings, and enjoy my new 100 watt HF and 6 meter solid state "ultra small and convenient" radio. Lots of hams cannot be convinced that the newer rigs are better than the old 1940-1970s tube radios. The DOD was convinced, however, that some ham gear was worth purchasing for military use, even for combat, and a few companies supplied their best equipment - "hardened" for rough use- to the war effort during those decades. The Collins line of radios were the epitome of durability in those early years. Well designed and built with only the finest parts, they saw service in most all stages of all wars since the late 30s. The Collins name would become synonymous with the very best in communication and other equipment and for the transmission of some of the most important messages in history, broadcasting the surrender of the Japanese at the end of World War II, the "Voice of America" on short-wave frequencies throughout the Cold War years, and "Tranquillity Base here; the Eagle has landed" in 1969. These radios were the result of meticulous designing and planning by Arthur A. Collins, who at the age of 15 built and used better stuff than the military had at that time. He was able to stay in contact with the MacMillan Greenland expedition in 1924, who were supposed to be in constant contact with the Navy station there but were unable to do so. In 1933, with eight helpers, he began the Collins Radio Company and produced radios for, among others, Richard Byrd's exploration of the Antarctic and the South pole. He made high-performance, neatly-built radios for hams as ordered, never scrimping on quality components. His radios were well received and word of mouth advertising created a huge market for his products. In the mid to late 1930s he got many contracts from the US military and continued to supply them until the company was acquired by Rockwell in 1971.

Art's equipment has been to the four corners of the earth; from the wet jungles of Vietnam to the blistering heat of the deserts (even as late as Desert Storm!) and performed almost flawlessly. During WW2, the ham community became aware of the ruggedness and dependability of "heavy metal" radios and patiently waited for the time that they could get their hands on them. One particular Hallicrafters transmitter, the 400-watt BC-610 series A-1 (weight - 600 pounds or so), was highly prized. Ev-



"The Mother" - Hallicrafters BC-610

everyone wanted to be ready to get back on the air after war's end and tried all the tricks to get needed equipment.

"I got it one piece at a time, and it didn't cost me a dime" ... so went the Johnny Cash song of how he built himself a Cadillac from smuggled parts.

This story, which I really shouldn't be telling, was told to me by a now silent key, and has a similar refrain: A local ham, now also an SK, had access to depot parts for radio equipment, and over a period of time, somehow got enough parts to build himself a BC-610. He got coils here, tubes there, and so on. He was incessant in his procurement and construction of the rig. Upon completion of the transmitter at the end of the war, and expecting to be the first kid on the block with one, found that they had been declared surplus and were available to anyone for about ten dollars, or free to the reactivated MARS program members! The market was flooded with them - some still new in the crate.



Chip Margelli, K7JA, DX Editor • 6652 Cerulean Ave. • Garden Grove, CA 92645

Sunspots!

After a long wait, the spots are back!!!

It seemed like the solar flux would never nudge itself out of the low-70 range. Some wondered out loud if this sunspot cycle was going to be a dud. Just think. . .no Mongolians on 10 meters, no long path on 15, no night-time openings on 17. **Wrong!**

The end of summer has brought significant solar activity. The solar flux has surged to the 110-120 level, possibly higher by the time you read this. It is as though solar activity was spring-loaded, and it just couldn't quite break loose. Anyway, if you haven't been tuning the HF bands lately, it's time to turn the rig on again. The spots are back!

The Easy DX-pedition

I'm often asked how much it costs to do a DX-pedition, and how many people have to go in order to perform the logistics associated with antenna construction, cooking, repairs, and the like. The VKØIR expedition undoubtedly has pushed the envelope in this regard, with total *true* costs certainly approaching seven figures.

But wait! You don't have to put on an all-time "New One" to do a great service to fellow DXers, have a lot of fun, and (even better) not mess up a family vacation in the process. What you need is some focus to your planning.

A mini-DX-pedition may be the answer. There are many "niche" segments of the DX community which often are overlooked by bigger DX-peditions, such as RTTY, satellite, etc. Even mega-expeditions can have equipment disasters (gear falls into the ocean, wind destroys 6-meter antenna, etc.) which leaves demand for a particular country high. The key is to identify a country and operating mode which will guarantee lots of action; after all, you don't want to go to the trouble of hauling equipment along on a vacation, just to be told "Thanks for my tenth QSO with your country" by the first chap you work.

So how do you do this research? First, look at your own logs. See what countries you have not worked yourself on, say, 80 meters, 17 meters, or RTTY. Then compare this list to a list of places you had in mind for a general-interest vacation. Cross off those places that are really expensive to get to, places where licensing is a hassle

(you want to *look forward* to the trip!), or places where there isn't much else to do besides play on the radio (if there's a solar flare, you'd probably want to go to the beach).

Another way to go about planing a mini-expedition is to think to yourself, "What have I *never* done in Ham Radio before?" Maybe you've never done moonbounce; a pair of long 2-meter Yagis and a tripod are a lot smaller and lighter than a 20-meter beam! Maybe you've never done RTTY; tapping on a laptop computer's keyboard is a lot quieter in a hotel environment than shouting into a microphone. Maybe you've never been on 17 meters; there aren't as many beams on 17 as there are on 20, so even a simple dipole antenna stands a good chance of being heard, due to lower QRM levels. Using this thought process lets you combine the excitement of visiting a new place with the excitement of doing something totally new in Ham Radio. . .something a lot of us ought to consider!

Thinking in geographical terms, consider the following:

Let's say you and your family want to visit some resort along the Gulf Coast of Mexico. XE is an utterly common DXCC country. But on VHF, the grid squares of Mexico are very, very rare. If you go in the prime tropo seasons, spring and fall, you could encounter huge pile-ups of eager 2-meter DXers in the Gulf states and Caribbean islands. If you go in the prime E season (June-July), you could work either coast of the USA, Canada, and northern South America plus the Caribbean islands on 6 meters.

How about a Caribbean island? RTTY activity is very low from many islands in the Caribbean. Pile-up guaranteed! And for something more esoteric, consider that an amazing number of islands in the Caribbean have *never* been activated on moonbounce. Experienced EME DXers will be more than happy to provide recommendations, and you might just know somebody who will loan you a medium-power amplifier to take along.

Thinking about something a little more exotic? An island in the Indian Ocean will qualify. Take along a 40-meter vertical, plunk it by the shoreline outside your vacation cottage, and you'll get tons of action

near sunset and sunrise via both short- and long-path propagation to North America. Never mind the thousands of Europeans who will be happy to make it into your log.

When combining radio with a family vacation, think carefully about your time budget. You don't want conflicts over day trips to sour your vacation. Besides, daytime propagation in tropical areas is frequently poor due to D-layer absorption. Think about radio activities which can be worked in late in the day, before dinner, or maybe in the late evening. Most important: *talk* about your "ideas" with family members before they become "plans" so that nobody is surprised or disappointed.

Once your time budget is set, you can then publicize your intentions in the various DX newsletters and via the Internet, so that the DX world will know when to look for you. There's nothing like calling "CQ" with a thousand salivating DXers waiting on your frequency!

Doing a mini-DX-pedition is fun. It doesn't burn you out on radio, it doesn't leave you with the feeling that you sacrificed "playing tourist" just to sit in a hotel room sending CW, and it doesn't have to compete for time that ought to be shared with family. And if you find a good niche where there is plenty of demand, the DXers on the other side will be very grateful for your efforts.

There are lots of places to go in our beautiful world, and with the many interesting awards programs like DXCC, IOTA, WAZ, and VUCC, there are many ways in which you can combine your DX fever with the "time out" that we all need in our hectic lives. So get planning, and I'll be sure to be there in the pile-up, saying "Thanks for the new one" when I get through!

Good DX and 73 de Chip Margelli, K7JA

100 Member Award

As the Activities Manager, I had the pleasure of issuing the 345th 100 Member Award on the 4th July. The awardee of the certificate was Vojislav Kostic YUIWD, Belgrade Yugoslavia. Vojislav submitted 130 contacts for the award. The contacts were made between 1967 and 1993. Using my Buckmaster CD ROM and the 1993 QCWA Directory, I was able to verify 100 of the contacts. A little research that I have done indicates that there are 12 Canadian, 9 German, 3 Swiss, 1 Brazilian, 1 French, and 1 from Bermuda. The First 100 Member Award was issued in February 1971 to Clarence Seid, W2KW, and 27 years later to YUIWD.

I might add that we need more participation in the 100 Member Award as well as other awards. As custodian of awards, I have a box of certificates to be awarded, but have sent out less than a half dozen a year since assuming the job. I hope that with this little article, I can entice other QCWA members to look thru their logs to see if they qualify for one of our many QCWA Awards. 73 de K9BSL Jay Strom, Activities Manager

ESTABLISHED 1947



COMMUNICATED BY
WIRELESS 40 YEARS AGO?

JOIN OOTC !

THE OLD OLD TIMERS CLUB
3191 DARVANY DR
DALLAS TX 75220-1611
PH: 214-352-4743
FAX: 214-352-5014



RULES & REGS



by Jack Kelleher, W4ZC, 612 Ednor Rd., Silver Spring, MD 20905

This column presents a summary of recent significant actions in the area of domestic and, as appropriate, international Rules and Regulations.

ITU NEWS

The International Telecommunication Union Conference Preparatory Meeting for WRC 97 has concluded two weeks of deliberations in Geneva, Switzerland. The gathering has resulted in the preparation of a large book of combined technical output from the various I.T.U. study groups as well as the concerns of the member states.

Issues of special interest to radio amateurs included the possibility of additional frequency allocations to the Mobile Satellite Service operating below 1 GHz.

No specific frequencies have been identified in the report for reallocation, although the report does address a number of sharing possibilities, it makes no mention of sharing with the Amateur Service. In addition, a new concept of broad allocations was introduced. If adopted, this idea would result in individual nations being able to identify and allocate frequencies from a broad pool of service allocations. This concept, being quite new and unstudied, only resulted in a call for future studies by the I.T.U..

Of course, the work of WRC 97 will be guided by specific proposals submitted by individual nations. At present, countries have not yet finalized nor submitted their proposals. Until they do, the amateur community will not be able to accurately assess the threats to our bands for this conference.

ITU Radiocommunication Study Group 8, which deals with mobile, amateur, radiodetermination and related satellite services, met during the week of June 9

Paul Rinaldo of ARRL presented his final progress report as chairman of Task Group 8/2, which has been dealing with wind profiler radars. He reported that the results of the group's work had been accepted by the recently concluded 1997 Conference Preparatory Meeting (see above). Task Group 8/2 produced a new report and three new recommendations, which have now been approved. While sharing could not be avoided entirely, it was possible to influence the choice of frequencies to minimize interference to the amateur and amateur-satellite services.

It was decided that the amateur services will continue to be part of Working Party 8A along with land mobile. WPs 8B (aeronautical/maritime mobile) and 8C (radiodetermination) will be merged as WP 8B.

The new chairman of ITU-R Working Party 8D (mobile-satellite service), Takeshi Mizuike, of the KDD R&D Lab, is familiar with Amateur Radio. He will be dealing with technical studies related to Little and Big LEOs.

IARU raised the question of whether a special Task Group should be established to handle WRC-99 preparatory studies related to Radio Regulations Article S25, which has been assigned to Study Group 8. The question was considered to be premature, as the Chairman of SG 8 wants to wait until immediately after WRC-97 to decide how the Study Group will prepare for WRC-99. r FCC ISSUES NEW FORM 610; OLD VERSIONS STILL VALID

The FCC has just released a new Form 610, dated March 1997, that—among other minor changes—now includes a space for your Internet address. The new form is available via the FCC's Internet site (<http://www.fcc.gov>) and via the FCC's fax-on-demand service (202-418-0177; to obtain Form 610, the form number to request is "000610;" Form 610A is "006101;" Form 610B is "006102;" and Form 610V is "006108." Form 159, of interest to some vanity filers, is "000159").

Item 3A of the new form asks for the applicant's "Internet Address" on the same line as the street address. The environmental impact question, formerly item 6, has instead become a statement in the applicant certification section where the applicant certifies that "the construction of the station would not be an action which is likely to have a significant environmental effect (see the Commission's Rules 47 CFR Sections 1.1301-1.1319 and 97.13a)." The former item 7 has become item 6 on the new Form 610.

The FCC will continue to accept any of the three Forms 610 (dated November 1993, March 1995 and March 1997) until further notice.

REVISED VANITY CALL SIGN ELECTRONIC APPLICATION AVAILABLE

On May 19, 1997, a revised version of the electronic Amateur Station Vanity Call Sign Request form (FCC Form 610-V) was made available on the Internet at <http://www.fcc.gov/wtb/amradsrv.html>. Under "Amateur Station Vanity Call Sign System" choose "Interactive Vanity Call Sign Application." This version allows a user to file multiple applications using one FCC Form 159 (Remittance Advice), thus permitting several applicants to file vanity applications at the same time and combine their fee payments. Detailed instructions are available by clicking on the item number on the Internet form. Previously, applicants had to complete a separate FCC Form 159 for each application submitted electronically.

Electronic payment is not yet available, and applicants must mail a completed FCC Form 159 with payment to FCC, Box 358994, Pittsburgh, PA 15251-5994, immediately after submitting any electronic application(s).

For technical assistance, contact the FCC Technical Support Group, 202-414-1250. For general questions regarding the application or fee, call the Wireless Telecommunications Bureau Consumer Assistance staff, 800-322-1117.

FORBES ARTICLE HIGHLIGHTS HAM RADIO "MAGIC"

Readers of the July 7, 1997, issue of Forbes magazine won't find any sleight of hand in the article "There's Magic in It," by James Clash, WA3JID. The two-page feature talks discusses what it is about ham radio that's kept the hobby alive when it "should have died with the advent of modern communications." ARRL Executive Vice President David Sumner, K1ZZ, is among those prominently mentioned in the story—along with other ham radio luminaries such as former US Sen Barry Goldwater, K7UGA; country music star Pat Loveless, KD4WUJ (who's shown spinning the dial of her transceiver); and US astronaut L. Blaine Hammond, KC5HBS.

The article apparently sparked the ham radio flame among readers, several of whom already have called the ARRL for more information about getting into (or back into) the hobby. Clash included the League's address and telephone number.

ARRL Public Relations Assistant Jennifer Gagne, N1TDY, assisted the author in gathering information and photographs for the article and served as his host during his visit to ARRL Headquarters. Hams will find it an informed and fun read that avoids the stereotypes and misconceptions about ham radio that sometimes appear in media portrayals of the hobby.

FCC REMINDER:

On July 10 the FCC warned companies that offer to modify scanning receivers (this includes many H-Ts with extended receive coverage) in order to receive cellular telephone frequencies that this activity prohibited by federal law and FCC rules. The FCC noted that scanning receivers must be FCC-certified and incapable of "readily being altered by the user" to pick up the cellular bands.

FCC CONSUMER ASSISTANCE LINE:

The FCC's Consumer Assistance number in Gettysburg, 800-322-1117, is being discontinued. All calls now should go to the new, toll-free number, 888-CALL FCC (888-225-5322). For the time being, calls to 800-322-1117 will ring over to the new number after a little message that informs the caller of the change.

RULES AND REGS HIGHLIGHTS FROM ARRL BOARD JULY MEETING

The ARRL Board of Directors has resolved to support legislation that would provide statutory protections for ham radio frequencies. The action came as the Board met July 18 and 19 in Rocky Hill, Connecticut. In taking this action, the Board cited the potential threat to Amateur Radio bands from the federal policy of selling spectrum to the highest bidder. (Ed note: Our understanding is that auctions to date have been limited to "sale" of licenses to operate on particular frequencies in bands already allocated to a particular commercial Service)

In a separate action, the Board voted to seek primary Amateur Service allocations of 5650 to 5725 MHz and 5825 to 5850 MHz in the 5650 to 5925 MHz band that is now a secondary allocation.

Voluntary band plans would be referenced in the FCC's rules under another Board action. Noting the erosion in the

level of compliance with the various band plans, the Board voted to petition the FCC to amend the amateur rules to state that hams "should be familiar with, and should abide by" voluntary band plans that apply to the frequencies they use.

Noting that no clear consensus has emerged in the wake of suggestions to restructure the Amateur Radio licensing system, the Board voted to extend the period for member comments. At its January meeting, the Board had received a committee report that offered several suggestions to revamp the amateur licensing system. Until further notice, members may continue to direct comments on restructuring to their ARRL directors. The Board plans to revisit the issue at a later date.

ELECTRONIC VANITY APPLICATIONS TO GET PRIORITY

The FCC announced that it will process electronic applications ahead of paper applications each day. Previously, the FCC did not distinguish in how it handled electronic and paper Form 610V applications. In recent months, the FCC has been receiving more electronic applications than paper applications. The FCC says it will process electronic applications, then paper applications received on any given day.

Applicants can find the electronic Form 610V on the FCC's Web site at <http://www.fcc.gov/wtb/amradsrv.html>. Electronic applications require a Form 159 for any method of payment. Mail payments accompanying electronic applications to Federal Communications Commission, Box 358994, Pittsburgh, PA 15251-5994.

Paper applications require an FCC Form 159 if payment is by credit card or if the application package contains multiple applications being paid for with one check. Individual applications do not require a Form 159 if payment is by personal check or money order. Send paper applications containing payments to Federal Communications Commission, Box 358924, Pittsburgh, PA 15251-5924.

The FCC also has established a firm deadline for receipt of application fees to accompany electronic applications. After Gate 3 opens (Ed. note: Gate 3 opened on August 6, 1997. We presume that it will remain open indefinitely), fees for electronic applications must be received by the FCC's fiscal agent, Mellon Bank, within 10 days of the date of application or the application will be dismissed. Under the FY 97 schedule, which becomes effective September 15, 1997, the vanity application fee will jump to \$50.

To avoid processing delays, applicants should make sure the information on their license is up to date. If you have changed your name or address, you must file Form 610 with the FCC to request modification of your license to show the correct information. In the case of a club station, you must file Form 610B.

Gate 3 opened the vanity call sign program to Advanced class amateurs. The FCC has not said when it will open Gate 4, for General, Technician Plus, Technician and Novice class operators. For more information, call the FCC's toll-free Consumer Information line at 888-225-5322 (CALL FCC). Please note the 888 area code!

Continued on page 12

FCC OKAYS COMMERCIAL HF MESSAGING SYSTEM

Over objections from the ARRL and several other parties, the FCC has given a conditional go-ahead to Flash Comm Inc to build and operate a nationwide, a commercial, two-way short-data messaging system on HF. The grant, under Part 90 of the FCC regulations, would be on a secondary basis. The frequencies Flash Comm intends to use do not fall in any current ham bands. The League had strenuously objected to the plan. The ARRL's primary objection stemmed from the fact that some of the frequencies Flash Comm plans to use fall within potential HF band expansions at 30, 20 and 17 meters and close to a potential new ham band at or near 5 MHz. The League said that it would drop its objections to Flash Comm's petition if the frequencies now under consideration for expanded ham allocations were dropped.

All of those who commented on the petition opposed it, fearing unacceptable interference in the HF spectrum. However, the FCC's Wireless Telecommunications Bureau said Flash Comm presented "a compelling case" that the new service "will be a unique and cost-effective way to monitor public and private property and infrastructure." Under the Flash Comm system, so-called "intelligent transceiver units" would be installed on vehicles as well as on structures. Transmitted data would enable the service to track the location or monitor the status of the "asset." Transmissions would be in short bursts averaging two seconds on unoccupied HF channels the Flash Comm system would select automatically. Radiated power would not exceed 1 W, although individual transmitter outputs could be as high as 15 W. The Commission said authorizing the system would provide valuable data for the FCC to evaluate plans to establish permanent rules for these sorts of operations.

The authorization, which involved some rules waivers, is for five years. Flash Comm has petitioned the FCC to establish rules to provide regular authorization of this type of service.

RADIO AMATEURS CANADA HAS DECIDED TO REVIEW THAT NATIONS HIGH FREQUENCY BANDPLAN.

The Canadians say that proposals emanating from the U.S Amateur community will impact their current band usage. According to Ken Pyke, VE3OGM, the objective that Radio Amateurs Canada has in mind is to formulate a comprehensive and workable HF Band Plan for Canadian Amateurs which takes into consideration Region 1 and 3 HF Band usage. Pyke says that The Radio Amateurs Canada High Frequency Band Plan Committee is looking for committee members, hopefully two from each Region, who would be willing to help evaluate input from all HF interest groups including SSB, CW, AM, Digital and slow scan amateur TV. Pyke adds that Radio Amateurs Canada will be looking for this input from the overall Canadian ham community as soon as they have the committee members in place. (Radio Amateurs Canada via ARN)

A Power Supply using Inexpensive Digital Volt Meters



- by Dick Rucker, KM4ML

It feels good when a home-built project turns out right and something is learned that may prove useful in other projects. Such for me recently was completion of "a series-regulated 4.5 to 25 V, 2.5 A power supply" designed by William E. Sabin, W0IYH, and described in the 1995 ARRL Handbook. I learned to use digital volt meters (DVMs) to monitor the supply's output voltage and current to a variety of loads. The usefulness of the latter prompted me to write this note.

I first learned about these inexpensive "3 1/2" digit DVMs in an article by Mike Gruchalla in Communications Quarterly, Spring 1996. His article describes how they work, their pin assignments, etc., plus how to modify them to become true differential voltmeters. The particular meters in question are available from Hosfelt Electronics (800-524-6464) as part number 39-177. What makes these particular unbranded meters remarkable is that they cost only \$8 apiece! According to my other catalogs, you can expect to pay up to 8 times as much for a DVM with same specifications, albeit in a brand-name product.

My intended applications were (1) to measure the drop across a 0.1 ohm current shunt in series with the plus side of my power supply's output and (2) to measure the voltage across the supply's output terminals using two panel-mounted DVMs. But a problem arose: The analog-to-digital converter chip and liquid crystal display (LCD) needs to be powered with 9 to 12 volts DC. For the chip, a common reference voltage at least 1 volt above "-Vcc" and at least 1 volt below "+Vcc" needs to be provided. If allowed to find its own zero reference, a Zener diode inside the chip will clamp "zero volts" to 2.8 volts below the supplied +Vcc. Unfortunately, the DVM's circuit board is designed so that the low side of the measured input voltage is tied to the common reference voltage trace, meaning the meter's own power source must float relative to any circuit to which the DVM's signal input voltage terminals are attached; otherwise, an unwanted current will flow if the circuit's ground is at any potential other than the chip's zero reference.

The meter was designed to work with a floating 9 vdc alkaline cell across the +Vcc and -Vcc terminals, and this works just fine. But what if you don't want to use a battery to power each meter, but instead want to use a source available in the host unit and controlled by its AC powerline switch? Mike recommended cutting traces and adding jumpers to these DVMs to solve the problem. I decided to take a different route; i.e., build two AC-powered battery substitutes, one for each meter, that would float relative to each other and to the Sabin supply's own ground plane and chassis ground.

Since each DVM only draws 3 mA on average, and anything between 9 and 12 vdc would suffice, I built two

small bridge rectifier power supplies, each regulated with 9 volt Zener diode on the output side, and tied to the Sabin supply's 26.2 volt secondary on the input side. I tried to DC-isolate them from each other and Sabin supply using 22 uF bipolar capacitors, one in each of the leads to the bridge rectifiers, but I found that this didn't provide sufficient isolation. Leakage through the bi-polars showed up as "jitter" in the last digit of the DVM readouts. I replaced the bi-polar capacitors with a small transformer with a 120 vac primary and several 15 volt secondaries. Picking the right pair of secondaries worked like a charm! Thanks go to two former work mates, Bob DeVries and Larry Johnson, for suggestions along the way.

When using these meters, an input of 200 mV or more results in an over-voltage reading of "1". I sorted through a pile of resistors to find the right values for voltage dividers used to provide a properly scaled input voltage for each of the DVMs. Selection was done to yield "+199.9" mV at the signal input pins of the meter's converter when the voltage to be measured is at full-scale.

On this power supply, there's a three position switch that allows one of three current limiting resistors to be selected. The selected resistor is put series with the output current, and the voltage drop across it is applied to the base-emitter junction of a current-limiting transistor. When the voltage gets high enough, the transistor turns on and current-limiting is imposed. It is neat to put a 10 ohm resistor across the supply's output terminals, turn the 10-turn voltage pot up from 4.5 volts, and watch as the two digital meters track each other almost digit for digit in the proper volts-to-amps ratio, until the selected current limit is reached. In the 10 ohm load case shown in the table below, limiting action was not triggered until 0.63 A was reached. Since this is a repeatable action, I could then mark the selected switch position as the "0.6 A" current limit.

The location of the decimal point can be set independently by connecting a 0.01 uF capacitor between oscillator 3's pin on the chip and any one of three decimal point jumper pads on the DVM's printed circuit board. Here's what the meter outputs look like for specific resistive loads, as implemented on my version of Sabin's power supply.

10 ohm load, I limit = "0.6 A" control

Sabin supply out		
turns	volts	amps
0	04.6	0.46
1	05.0	0.50
2	05.5	0.55
3	06.1	0.60
4	06.3	0.63
5	06.3	0.63
6	06.3	0.63
7	06.3	0.63
8	06.3	0.63
9	06.3	0.63
10	06.3	0.63

50 ohm load, I limit = "0.6A" control

Sabin supply out			
turns	volts	amps	volts/amps
0	04.6	0.09	51.1
1	05.0	0.10	50.0
2	05.5	0.11	50.0
3	06.1	0.12	50.8
4	06.8	0.14	48.6
5	07.8	0.16	48.8
6	09.1	0.18	50.6
7	10.8	0.22	49.1
8	13.5	0.28	48.2
9	17.5	0.36	48.6
10	25.4	0.52	48.8

Upon increasing the load to 50 ohms, current limiting was not triggered as the output control was advanced, thus achieving the full range of output voltage. As a crude measure of the calibration accuracy of the two meters, the indicated output volts divided by the indicated output current for the load (see the last column) and the results indicate the error was held to about one ohm.

This just in: Hosfelt's latest product addendum 97B contains a new 3 1.2 digit LED panel meter, part number 39-211 at \$9.95 each. The description states: "Meter power can share common terminal with input (can monitor own power source with scaling resistors)." That means a floating power source is no longer necessary. Any 9 to 12 volt, 3 mA or better, source will do.

(Dick Rucker, KM4ML is Secretary of Vic Clark (Northern Virginia) Chapter 91.

CUPS AVAILABLE



Headquarters has several dozen 50th Anniversary Cups that were prepared especially for the 50th celebration at Kansas City in October.

For those who cannot make the convention, this is your chance to obtain a memento of our 50th Anniversary Year of QCWA. Order a cup for your collection. It is white with blue QCWA logo on one side and the other side carries the insignia of the Kansas City Convention.

Price is \$10.00 prepaid.

Amateur Radio Satellite News

by Keith Pugh, W5IU, Vice President, Operations, AMSAT-NA,
3525 Winifred Dr., Ft. Worth, TX 76133



AMSAT at Central States VHF Conference - plus - Phase 3D Status

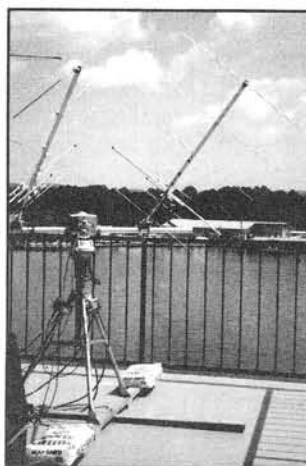
INTRODUCTION

On the last weekend in July, 1997, I once again attended the "Granddaddy" of all VHF conferences in the USA, the Central States VHF Conference. This year it was held in Hot Springs, AR, and hosted by Joel Harrison, W5ZN, of Judsonia, AR. As is the custom, Joel was President this past year and did an excellent job of putting on the conference with the help of many others. Joel is a very active VP of the ARRL, past ARRL Delta Division Director, and is the first ARRL representative to the International Phase 3D Steering Committee. Joel is the owner and operator of a really "competitive" HF through X-Band, including Amateur Radio Satellites starting with OSCAR Zero, Amateur Radio Station which I visited after the conference. Enough about Joel. I was invited to speak about Phase 3D Ground Stations at the conference and set up an Amateur Radio Satellite Station for demonstration. This column will be devoted to the Central States VHF Conference Amateur Radio Satellite Demonstration Station and a status report on the Phase 3D project. By the way, reserve the last weekend in July, 1998, for a really good time at the Central States VHF Conference in Kansas City, MO. In case you're curious, OSCAR Zero is the worlds oldest satellite, the Moon!

DEMONSTRATION STATION

When Al Ward, WB5LUA, asked me to speak and demonstrate at Central States, Phase 3D was predicted to be in orbit at conference time and possibly operational. The Demonstration Station was to be a microwave station for Phase 3D. As discussed later in this report, Phase 3D is still on the ground, so alternate plans were formulated.

Plan "B" became: put together a portable station that will work as many current Amateur Radio Satellites as possible. Emphasis was placed on simple, small antennas and equipment readily available to the typical "Weak Signal" VHF'er. With the help of another QCWA member and AMSAT Area Coordinator, Roger Ley, WA9PZL, of Bossier City, LA, a very effective Digital Satellite Station was added to my Analog station. Dick Raitt, WA5VKS, of Plano, TX, a new AMSAT Area Coordinator and active VHF'er, provided valuable assistance to Roger and I. The entire station was assembled in the corner of the main conference room on the seventh floor of the convention hotel. The antennas were located on a balcony, just outside the operating area. A clear shot to the sky was available for 270 degrees of rotation. The remaining 90 degrees looked back into the conference room. Capabilities were provided to work: AO-10, AO-27, MIR, RS-12,



RS-15, FO-29, FO-20, KO-23, and UO-22. Provisions were made to listen to UO-11, RS-16, and several other satellites. Contacts were made, during the prime Friday evening demo time, through all of the "Birds." Guest operators made most of the contacts. Now for the station description.

Antennas

The heart of the antenna system consisted of two CushCraft A27010S Dual Band Yagis. These antennas each consist of five elements on two meters and five elements on 70 centimeters on a five foot boom. The two antennas were end mounted on a cross-boom through the elevation rotor and counter balanced. The elevation rotor was mounted directly above the azimuth rotor. Antenna spacing was three feet and the antennas were oriented 90 degrees to each other and 45 degrees to the cross-boom. Circular polarization was produced by feeding the antennas 90 degrees out of phase with each other. Feed lines for each pair of antennas were made up of enough odd quarter waves of 72 ohm line to reach from a central coax "T" connector to the antenna feed-point. An additional quarter wave length of 52 ohm line was then placed between one of the antenna feed-points and the free end of one of the 72 ohm lines. The other 72 ohm line was connected directly to the other antenna. This process was! repeated for the other pair of



*Joel Harrison, W5ZN
and his satellite antennas.*

antennas. The manufacturers claimed gain for each antenna is 10 dBd. This combination worked well on all of the existing satellites, including AO-10; therefore, it should work very well on Phase 3D. The digital satellites were worked reliably with only 5 watts of power.

Other antennas utilized were a 10 meter, one wave-length loop on a Bamboo cross frame and a 15 meter inverted "V." The 10 meter loop was mounted horizontally at the top of 15 feet of TV mast tied to the balcony railing. The apex of the inverted "V" was mounted immediately below the 10 meter loop with the ends tied down to the balcony railing. The antennas worked fine with the only problem being their close proximity to the station computer. The computer was not "happy" with the radiation when the antennas were pointed at it. Of course this meant that the antennas were also looking at the operators and back into the blockage of the building, so we didn't operate much in that condition. Fifteen meter transmissions got into the computer at any time if the power level was high enough. Fortunately, RS-12 is sensitive enough that we didn't need to run much power on 15 meters.

Feed lines and control lines were made up of enough of RG-213, Belden 9913, and rotor cable to reach across the balcony, through two doors, and across the conference room to the station. Lengths were approximately 50 feet.

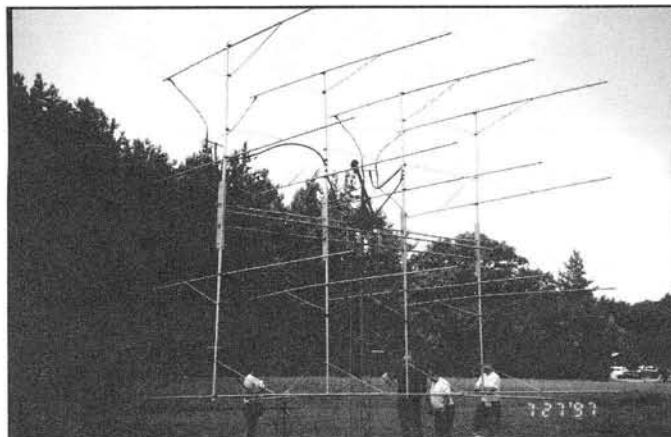
The rotors and antennas were mounted on a three foot tripod anchored to crossed 2X4s held to the balcony floor by four sacks of "Play Sand." Two meter and 70 centimeter pre-amplifiers were mounted on the tripod legs and powered individually through RG-58 used as a shielded line. The entire setup, including transport to the balcony from my mini-van took approximately three hours including time to locate, untangle, and inspect many wires and coax cables.

The Rigs

The heart of the analog station was a pair of Icom radios, the IC-251 and the IC-451. These radios were my original satellite station, purchased in 1983 and still in use today. These multi-mode radios produce up to 10 watts of power and are sufficient to work the LEO "Birds." Two meter and 70 centimeter power amplifiers capable of 80 to 100 watts rounded out the VHF/UHF portions of the analog station. HF duties were carried out by an Icom IC-735, also used as the HF mobile when traveling.

Digital duties were performed by an Icom IC-471, used as a receiver, and an MFJ 8621 VHF Data Radio. This single channel, five watt data radio did an amazing job. It can be purchased new for just over \$100. One crystal will provide access to two of the digital satellites. The terminal node controller was an AEA PK-96 operating at 9600 baud FSK. The IC-471 was modified to provide direct access to the discriminator to provide the necessary audio bandwidth. The MFJ VHF Data Radio worked fine right out of the box.

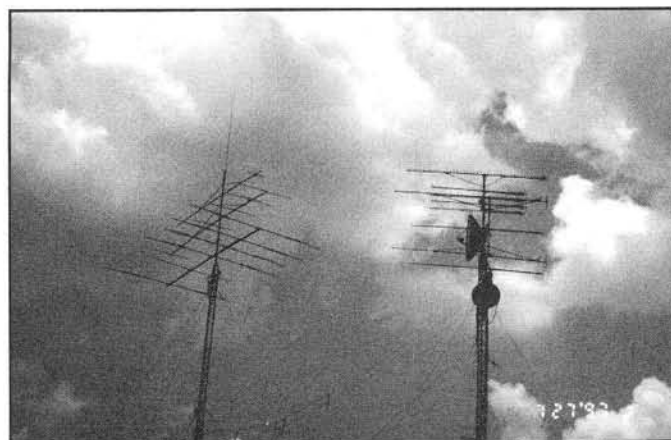
Separate computers were utilized for the analog and digital positions as a convenience only. All computer applications could have been easily handled by one computer.



Joel's "OSCAR Zero" antenna for 70 cm.

Operating

Most of the operating was done during the Friday evening noise figure measuring contest and VHF "Flea Market." The operation lasted from 1900 to 2400 local and contacts were made through each "Bird" that came over during that time period. Operation through AO-27 was done during the Noon hour earlier in the day. A number of good comments were received and several folks went home and tried the satellites immediately after the conference. It's always amazing how many folks suddenly realize how little equipment and skill it takes to work the satellites after a demonstration such as this.



Joel's terrestroal antennas (100' up).

PHASE 3D

As this goes to press, Phase 3D has undergone some major changes in its launch plans. In mid July, AMSAT-DL and AMSAT-NA announced that they had been notified by the European Space Agency (ESA) that the launch campaign for Ariane 502 (our scheduled ride) had already started and would be carried out on 30 September. It was pointed out that Phase 3D must be in Kourou, French Guiana, by 10 August ready for integration to meet the flight date. If the August 10 date could not be met, Phase

Continued on page 17



SYLver Belles



by Esther Given, W6BDE, 6740 Evergreen Ave., Sebastopol, CA 95472

Meta Kyde Brazell's call may not be in your current log book but she's a busy energetic nonagenarian whose devotion to amateur radio is one of her happiest memories. Sharp as a tack and still writing legible long-hand at 97, Meta is blessed with a sparkling personality, great sense of humor and love for people.

Meta was born in the prairie country of South Dakota in 1900 (she's as old as the year). Her father was the local physician and their neighbors Sioux Indians. Although the buffalo were gone by then, life on the prairie was still filled with the trials and tribulations of pioneering in a new western settlement.

Meta Kyde enrolled at the University of South Dakota with the intention of teaching but before receiving her degree she met and married Roy Brazell, superintendent of Wind Cave National Park. One of Roy's special assignments was to assist in selecting the site where likenesses of four of our great presidents would be carved from the rock creating Mount Rushmore.

Meta's life has been devoted to volunteer services. For decades she has shared her treasure trove of memories with both youngsters and seniors. First and second grade children are enchanted when Meta relates her descriptions of prairie life and her Sioux playmates. Seniors too are enthralled with her stories of the days when the west was young, how to be healthy or amateur radio.

For 10 years Meta has been a volunteer for the University of California's medical research project on Alzheimer's disease. Each year she is interviewed and tested as a mentally sharp senior citizen who has not developed the disease. At the onset of each annual session the subject is given a name and address to remember and later in the session she is asked if she still recalls the information. In 1995 when the doctor gave her this assignment she responded, "You'd better check your own memory. That's the same name and address you gave me last year."

Meta's children have been pals who shared their interests with her. Daughter Mary Poe, W6MWU, now a silent key, was an avid ham holding an advanced license. She and her OM, Eddie, W6IOK, (Edgar Allen Poe III), were both active on the air for most of their adult lives. Meta couldn't wait to add the exciting experience of amateur radio to her repertoire and received WA6BNS in 1956 when she was 56 years old.

For several years in the 60's Meta and Mary were volunteers at a Senior Citizen Camp at Cuyamaca, California where among other things they introduced many seniors to the joys of amateur radio. In the 50's and 60's Meta's summer home in Julian, CA was the site of Field

Day activities for the Los Angeles YL club. Many of those participating YLs are now QCWA members and share memories at local chapter meetings.

For many years Meta's daughter Pat has been involved in senior citizen health programs through the American Association of Retired People. Traveling all over southern California Pat gives lectures and distributes health information at AARP functions. Meta assists in setting up booths, passing out pamphlets and being living proof of an active, healthy and cognizant senior citizen.

On her 95th birthday Meta was declared Woman of Distinction by the Daily Californian. She is an active board member of the Senior Citizens' Council of Presidents. Recently she and Pat have been nominated by AARP's Health Advocacy Service Director of California to receive National honors for their services.

Meta has not been on the air since the early 80's but is still an ardent promoter of amateur radio to both youngsters and seniors. She is an active member of QCWA San Diego Chapter 14 and attends many QCWA activities in southern California.

Meta's life has been spent doing for and sharing with others. Amateur radio has played a great part in her being a happy, healthy and fulfilled nonagenarian.



Meta Brazell, W6BNS on left with daughter Pat

97 CHEERS FOR WA6BNS OUR LATEST SYLVER BELLE. de W6BDE

Continued from page 15

3D's mass simulator must be there by 5 September. It was also announced, at this time, that major structural re-work on the Phase 3D Space Frame has been undertaken due to a change in environmental specifications that came about after analysis of the ill-fated Ariane 501 launch data. The necessary re-work has now prevented completion of Phase 3D by the 10 August date. ESA indicated a willingness to work (negotiate) for other arrangements, but it is now certain that Phase 3D will not be on Ariane 502, if it launches on schedule. ESA has been very cooperative in the past and there is no reason to believe that we can expect any less this time.

Meanwhile, work is going on at an accelerated pace at the AMSAT Laboratory in Orlando, FL. Again, as of press time, integration of electronics is virtually complete; however, structural modifications are still in progress. At the completion of the modifications, final electronics integration must be completed and the "Bird" transported to the Washington, D.C., area for "Shake and Bake" environmental testing. After successful environmental testing, the "Bird" will be ready to fly. This could take another two to four months; thus, it now appears certain that we will miss Ariane 502. Again, we feel that another launch opportunity will be negotiated with ESA in the spirit of past operations.

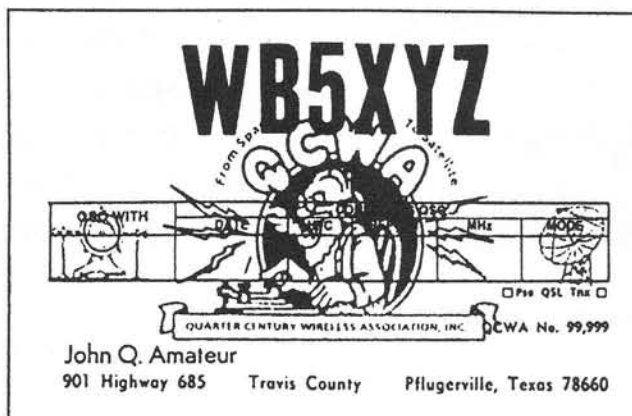
Now is not the time to give up. It is the time to get behind the project 100 percent and see it through to a successful completion. Only then will we be able to realize all of the goals we have strived so long to achieve. The end product will certainly be worth the effort.

SUMMARY

Keep up your efforts to get on the satellites. There are still plenty of them to hone your skills and the cost is not too great. Any equipment you currently have can be used on the current "Birds" and it can still be used on Phase 3D later on when it is successfully launched.



Order Your Official QCWA QSL Cards Today...



QCWA QSL cards are USA standard size, printed on a heavy stock which is "coated" (shiny) on the logo side. Ink is a bright blue with light gray QCWA logo, and you may have your call in either solid letters (above) or shadowed (right). **WB5XYZ** Be certain to specify the letter style when you order.

If you want your county printed, please indicate so on the order blank. Also, tell us whether you want your state spelled out in full or printed with the standard postal abbreviation. Prices listed below include shipping.

Please print very clearly or type your order.

Order Your QSLs Here

Complete in full and mail with your check to:

Call _____ ☐ Solid ☐ Shadowed
QCWA Member # _____
Name _____
Street/PO _____
County (optional) _____
City _____
State _____ ☐ Spell out ☐ Abbreviate
Zip _____ ☐ ARRL
Province/Country (if non-USA) _____
☐ 10 - 10 # _____ ☐ Grid Sq. _____
Quantity: ☐ 100 \$25.00 ☐ 200 \$35.00
 ☐ 300 \$45.00 ☐ 500 \$60.00
 ☐ 1000 \$80.00

Complete in full and mail with your check to:

QCWA, Inc., 159 E 16th Ave, Eugene OR 97401-4107



Chapter Reports are a very important part of the Journal and we would like to see regular reports from all chapters. If your chapter is not represented on these pages, please ask your secretary to file a special report for the Journal. Please send the reports to General Manager, Jim Walsh, to arrive no later than the following dates: August 1, November 1, February 1, and May 1.

Chapter 1, Cleveland

On Wednesday, July 2nd, 1997 Cleveland Chapter No. 1 of the Quarter Century Wireless Association played host to one of its most distinguished members. He is former Cleveland, Al Gross, Electrical Engineer for Orbital Sciences Corporation of Phoenix, Arizona. Mr. Gross and his wife, Ethel, were the chapter's guests at the 100th Bomb Group Restaurant at 20000 Brookpark Road at the northern edge of Cleveland Hopkins International Airport.

Mr. Gross was in town for the formal installation of Dr. Pekka Tarjanne, as honorary member of the IEEE, the Institute of Electrical and Electronic Engineers. Cleveland was chosen as the site for the ceremony. Dr. Tarjanne is the Secretary General of the ITU, the International Telecommunications Union. It is this union which is the regulatory body in Zurich, Switzerland which controls the orderly assignment of radio frequencies for all of the signatories of the world.

While in Cleveland, Mr. Gross visited with as many of his ham friends as was possible during his short stay. He was licensed as W8PAL, a license he has held since 1930. Al Gross is known as the Father of the Walkie-talkie, originally developed during an experimental project for the CIA in World War II. Mr. Gross has been honored by numerous organizations including Mayfield High School Hall of Fame and the Personal Communications Industry Association (PCIA). He received the Marconi Memorial Gold Medal of Achievement from Marconi's youngest daughter in New York in 1995. A life member of the IEEE, permanent member of the ITU and honorary member of the Electromagnetic Academy (MIT), Mr. Gross received a Presidential commendation from President Reagan in 1981. He has operated as W8PAL for 67 years and a member of QCWA.

Joseph Zelle, W8FAZ

Delaware Valley Chapter 5

Delaware Valley Chapter 5 got together on June 14, 1997 at the Town & Country Restaurant, Route 130 & 206, in Bordentown, NJ. The weather was good and the turn out was also good with 46 present. The luncheon started at 12:00 noon and the meeting was opened with Chairman George VanDyke, W3HK saying grace for the group. While waiting for the meal to be served, each person was asked to introduce themselves and it was noted that several wives were also holders of ham licenses. Then

the minutes of the April meeting were read by the Secretary Don Field, W2UAE and were approved. The treasurer was not present and no report was available. Several announcements were made by the Chairman to the group.

Upon completion of the meal, the speaker was introduced. The speaker was Frank Romanoski, Vice-president of Information Systems at Memorial Hospital, Mt. Holly, NJ. His talk was on "Computer Technology as Applied to Healthcare." There are several types of communications that are employed in the normal functioning of a hospital. There are telephones throughout the hospital connecting all departments. Modems on computers are used to transfer medical information from outside sources on in-house patients, and to exchange information with other doctors in other places outside of the hospital. Radio is used to facilitate rapid transfer of information from ambulances to the hospitals and with other radio equipped sources. Computers are in every department and room and all records are kept on computers and available to those that require access to the records. The talk was very interesting to all and a lot was learned about the extensive communication systems in today's hospitals.

Following the speaker, a number of awards were presented to the Chapter 5 members. Leading off with a 70 Year Award was W2AWR, Walt Cranmer and W3DJD, Titus H. Bean. Next were 65 Year Awards to K2DOV, Charles H. Davison, KE2W, Steven C. Garcia, and W2UDA, Tony Rura. Next were the 60 Year Awards to W2FBE, Charles Alsdorf, W2XN, Robert C. Scully, and W2REB, O. C. Weilenmann. 55 Year Awards went to W4GAP, John B. Bullock, W3LOY, Edward T. Clegg, K2JF, John M. Fisher, W2NLJ, J. Donald Moulton, W2HAZ, William F. Petty, N025, Charles C. Porch, and W2RIV, William R. Roberts. A 50 Year Award went to W2UAE, Don Field. Century Club Awards went to W2FBE, Charles E. Alsdorf, W3FZO, Carl E. Baddorf, WA2TNS, M. Robert Cline, W3LOY, Edward T. Clegg, W2UAE, Don Field, W3OOJ, Richard V. McClelland, NG2S, Charles C. Porch, and W2EEQ. John R. Snedeker.

Members are reminded of the Delaware Valley Chapter 5 Net on Sunday morning at 10:00 a.m. on 3917. Net control is W2EEQ, Russ Snedeker. All members are invited to join in and keep in touch with your fellow members. This frequency is used by several QCWA groups before 10: a.m. and Chapter 5 passes the frequency on



Chapter 5 members receiving awards: l to r, W2AWR, Walt Cranmer, 70-yr award WA4FRA, Robert O. Rutherford, new member; W2IRS, Lucas J. Bazin, new member; W2UAE, Don Field, 50-yr award.

to Chapter 28, Central New York. Chapter 5 maintains a homepage on the Internet and can be accessed by anyone able to get on the Internet by calling up <http://www.resuba.com/qcwa5>. Take a look when you get the chance and catch up on the activities of Chapter 5. Anyone interested in joining Chapter 5 or getting information about the Chapter, can get in touch with the secretary, Don Field, W2UAE by e-mail at w2uae@juno.com or by regular mail.

Don Field, W2UAE, Secretary

Chapter 6, Pittsburgh

The April 6 spring meeting of our Chapter was called to order by President Jack Parson, K3OTY. Thirty members, XYLs, Yls, visitors and guests enjoyed a lovely noon brunch at Otto's Hafbrau Haus. Reports were given by assistant Secretary/Treasurer Seth Ward, KC3YE as well as newsletter Editor George Kitazawa, NS3O. Program chairman Bill Lawrence, W3NHQ, introduced our speaker for the meeting, Lorna Bower, N8RSN. Our thanks to Ed and Dorothy Gametter (W8CSU) for suggesting and bringing Lorna to our meeting.

Lorna is the Emergency Operations manager for



L to r - Roy, W3TZW (Sky Warn Allegheny Co.), Lorna, N8RSN (Harrison Co. EOC) and George, NS3O (Ch. 6 Newsletter)

Harrison County, Ohio. Lorna presented an interesting program regarding weather emergencies and the response of the EOC and associated organizations. She furnished a considerable amount of handout literature and concluded her presentation with an interesting Q&A session. There were the usual informal conversations regarding older equipment, operating and the SKs that we knew. As always, a good time was had by everyone. It was agreed that the next meeting will again be at Otto's Hafbrau Haus on August 10th. Jack, K3OTY, adjourned the meeting at 3 PM. Some interesting numbers from our Chapter newsletter editor George Kitazawa, NS3O. About 1/3rd or 60 chapters participated in the 50th anniversary 080 party. Of those chapters that were represented, the bottom forty had logs submitted by one or two operators. Chapter 6 had five participants active in the QSO party. W3UHP, Ernie was high scorer for the chapter. W3KVS, George; W3TZW, Roy and NS3O, George also submitted QSO party logs. Ed, W8CSU submitted a check log. Congratulations and thanks to all who participated.

Nathan S. Firestone, W3SVJ, Secretary

Chapter 9, Southwest Ohio

The Southwest Ohio chapter held its annual banquet in conjunction with the Dayton Hamvention on Friday, May 16 at Alex's Continental Restaurant. There were 43 members and guests in attendance. National QCWA officers in attendance were: John Kelleher, W4ZC, President, Gary Harrison, K0BE, Vice President, Duke Knief, W2YTO, Treasurer, John Edel, K8LBZ, Director and Jim Walsh, W7LVN, General Manager. John Kelleher and Jim Walsh gave a few remarks concerning amateur radio and the QCWA operations. Gerald, WA8BOB, Chapter 9 president presented a 60 year QCWA award to Robert Mawdsley, W9ELU, ex N8FTT. He also recognized Carl Yeager, W8DWT, who had been presented a 75 year Certificate earlier at one of our regular meetings. Dick Callahan, W8GNV, past chapter 9 president, introduced



Gerald Ragland, WA8BOB, President presents 60-year award to Robert Mawdsley, W9ELU on left at banquet held in conjunction with Dayton Hamvention.

Chapter Reports

Charles Stinger, W8GFA, and former manager of the radio station Voice of America at Bethany, Ohio. Charlie gave a very interesting talk about this powerful radio transmitter and what is being done with this station now that it has been decommissioned.

The National QCWA officers were in charge of the QCWA booth at the Hamvention. Several applications for new membership were received as well as some renewals.

At our regular meeting in June a Registered Nurse from the Kettering Medical Center gave a very interesting talk about Brain Attacks, commonly known as strokes. She told about the latest technology in the treatment of these attacks and some life style changes which may help in preventing these attacks.

At our regular meeting in July we watched a video on railroading. Railroads have changed over the past several years with discontinuance of many of the train routes, but there is still a place for some of them which are quite busy in supplying some of our basic needs.

Chapter 10, Michigan

The annual meeting for Michigan Chapter #10 was held on May 3, 1997 at the Waterfront Restaurant in Cadillac, MI at 1 PM First order Of business was the tasty luncheon buffet served to the seventeen members and their fifteen guests Pat, K8TSO, always makes our arrangements and he and the management come up with some excellent selections.

The pre-meal blessing, the benediction and a short memorial to the silent key members of the past year were all given by our Chapter Chaplain Dale, KA9EIZ. The Silent Keys remembered were Bill, WA8BYA Paul, W8YMI, Leo, W8GQX and Gary W8GJH.



Chapter Officers: l to r, VP Maury McGleish, K8CPW; President Joe Boyles, W4GHR; Sec/Treas Beverley Stoner, K8ZJU and Chaplain Dale Cryderman, KA9EIZ.

QCWA Certificates were presented to members or mailed to those not able to attend the meeting. Currin W8FSZ, received the Century Club, Ed, W8IAC, Bill, W8ZN, Don, W8WOJ and Marion, W8VWY received the 55 years licensed certificates, Ed and Bill also received

the 60 years licensed certificates and Polly", W8FLA, and Helen, W8GJX, received the 65 years licensed certificates

Along with the local dues collected, a memorial gift to the Chapter was received in the name of silent key Ralph, W8LCU.

The slate of officer candidates presented to the Chapter was elected unanimously. President is Joe Boyles, W4GHR; Vice President, Maury Bud" McGleish, K8CPW and Secretary/Treasurer, Beverly Stoner, K8ZJU

The annual picnic was set for noon August 13, 1997 at the Kenwood Park in Cadillac.

Beverly Stoner K8ZJU, Sec'y

Chapter 17, Allentown-Bethlehem-Easton

The business meeting opened by President Bill, (W3FYK) at 1:46PM on the deck at Grumpy Acres (W3TDF) Ranch. Minutes of the May meeting, as printed in Meeting notice, were accepted by Motion of Van (K3CP), and seconded by Frank, (W3BRU).

Treasurers report by Ray, (W3TDF), Funds remain the same as last meeting as there was no income or outgo. There was a discussion relative to increasing attendance at our breakfast meetings, with the suggestion by Ray, (W3TDF), to change the free breakfast rule, the suggestion being; place tokens for ALL members in the hat and draw one. If the token drawn is that of a member PRESENT, then he/she would get breakfast free. If that person is not present then the treasury would benefit. Further discussion at the July meeting.

Meeting adjourned at 1:53PM, at which time the picnicking was resumed. Many goodies were brought and the ladies are to be commended and thanked. If anyone can think of ways to improve or change this affair, let us know now while it is still fresh in our minds. I heard a rumor that one of our members will be doing steaks on the grill next June. (Boy, if that doesn't spark some interest, then I don't know what will.) There were 15 members, plus about 9 non-member spouses in attendance.

Next Meeting will be July 19, Saturday, 9:30AM Brass Rail, Allentown. Our regular meeting room at the Brass Rail is being renovated and may not be done by Saturday, in which case we will have to meet in the upstairs room. Then again, ours may be the first in the newly decorated room. BRING YOUR SPOUSE, OR A GUEST.

There is still room for some more 'old (ham) geezers', with W3FYK and W3TDF and a TS-940 etc., at a hunting camp near Dushore, Sullivan Co., PA, on the weekend of July 25\26\27. It's an old farm house with bunk beds, bigmodern kitchen and indoor plumbing. We will be activating W3GS on 20, 40 and 80.

Ray Bilger, W3TDF - Secretary/Treasurer

Chapter 20, Baltimore (MD)

Chapter 20 held its annual meeting at Synder's Willow Grove Restaurant on April 19, 1997. We had 36 members and guests in attendance.

The speaker was Don Williamson, VE2LR1 who is president of Can-Am Consultants, Ltd. He talked about the contributions of radio in the early days of modern Canada and its historical importance. Since most of us

were in amateur radio during-time, we found it very interesting.



L to r: Don Williamson, ex VE2LR and George Morgan, W3MMY

We had two guests from the Vic Clark Chapter 91, John Swafford, W4HU, and Tony Stalls, K4KYO. A moment of silence was held in the memory of Ethel Smith, K4LMB, who use to attend our annual meeting quite often. She is greatly missed by the members of Chapter 20.

Morris Blum, NY3L, was presented with his 60 year Gold Certificate. The presentation was made by John Swafford, W4HU.



L to r: George Morgan, W3MMY, John Swafford, W4HU and Morris Blum, NY3L.

Usually Chapter 20 holds an election of officers every two years. Because of some difficulty in getting a slate of officers, the present officers agreed to serve one more term.

One feature of our annual meeting is a tour of the Historical Electronics Museum by our member Heru Walmsley, W3WVY. The museum is very near the restaurant and well worth the time to visit.

Our annual luncheon is open to all amateurs and friends whether a QCWA member or not. Please consider coming sometime and joining QCWA.

Cam, W3EPR - Secretary/Treasurer

Chapter 21, Canton

The regular quarterly meeting of QCWA, Canton, OH Chapter 21, was held on May 10, 1997, following a noon luncheon at Gullivers Travel Plaza, Canton, OH. President Edwin Clinger WA8DRT presided. There were 39 members and guests present.

President Ed Clinger WA8DRT introduced the speaker, Lance Wilcox, Coordinator for Stark County Emergency Planning Committee. Mr. Wilcox showed a brief video, "Are You Prepared?" which depicted several emergency situations, then asked the question, "Are you

prepared?" He discussed the membership of the Emergency Planning Committee and its functions. The committee attempts to have an inventory list of hazardous materials in order to know how to deal with an emergency involving such materials. He distributed a brochure describing procedures and items required by residents in the event an evacuation is necessary.

In the business meeting, reports were received from National Director John Edel K8LBZ regarding a recent board meeting in Eugene, OR, and from Ed Gammeter W8CSU about the COOCOM meeting. David Polen W8FRB encouraged more participation by members in the Thursday evening net at 1930L on the 146.79- repeater. Door prizes were awarded.

During the meeting a moment of silence was observed for recent Silent Keys and loved ones:

David A. Horn W8SBM, QCWA #3847; Robert H. Breen W7JRH, QCWA #8767; Arthur E. Schermerhorn W8FEC, QCWA #13627; Arlene Burckhart, wife of Leroy Burckhart W8CZA, #5381. The next meeting will be August 16, 1997, at noon, at the St. Joseph Hall in Carrollton, Ohio.

David Glass, W8UKQ. Secretary

Chapter 25, Nebraska

QCWA Nebraska Chapter 25 held their Annual Meeting on 17 May 1997 at the Interstate 80 Holiday Inn in Grand Island, NE. Although attendance was light, members and several wives attended a buffet and program. Highlights of the meeting were the presentation of certificates for years as an amateur license holder and entry into the QCWA Century Club. A moment of silence was held to remember K0DBW, Bob Beals and other Silent Keys of the Chapter.

"Mac" McKinney, W0AP treated the group with a display and a very entertaining description of a vintage homebrew transmitter and regenerative receiver. Jack Hubbell, W0NHS displayed a hand-made model of a J-38 Key.



Chapter 25 Board of Directors - l to r: President Dick Newsome, W0HXL; Treasurer Reynolds Davis, K0GND; Secretary Elden Miller, W0KVM; "Mac" McKinney, W0AP; Vice President Jack Hubbell, W0NHS; Charles Davis, NG0M.

The Board of Directors met earlier in the day and took action on a number of administrative matters. It was determined that the 1998 Annual Meeting will be held in Lincoln, NE.

Elden Miller, W0KVM - Secretary

Chapter Reports

Chapter 29, Finger Lakes

Summer has been nice to us in the Syracuse area — no violent weather and lots of nice days to take advantage of. We may have high taxes, and we may have a depressed job market, but our climate is —quite literally —temperate.

At our June luncheon, awards were the order of the day! We surprised chapter veep George Cook, W2RBK, with a Meritorious Award for his contributions to the ham radio community and to our QCWA chapter. As a matter of fact, George has a contribution for our newsletter in his typewriter, probably as I write this e-mail report. His war-time experiences and recollections of radio history make for great reading and reminiscing. George has an impressive VHF all-mode setup, and has finally succeeded in finding some SSB activity on the low end of 2M. No CW heard as yet. 65th Anniversary Awards were presented to Charlie Floring W2AK and Bill Good W2CVI. 50th Anniversary Awards were given to Ike Hathaway W2IH and Bob Elder KA2ZNE. Hearty congratulations to all!



Award recipients (l to r) - KA2ZNE, 50 years, W2AK and W2CVI - 65 years, and W2IH - 50 years.

Looking back at May's Rochester, NY Hamfest and Atlantic Division ARRL Convention, we had a very good turnout and 71 visitors at the QCWA table, which was officially manned this year by chapter president Jim Mozley W2BCH and myself. Present at the hamfest (and a presenter at the hamfest) and joining us at the QCWA table was Harry Dannals W2HD, former QCWA President, former ARRL President, and currently in semi-retirement with Chapter 155 in Virginia. A great time was had by all, with Jim W2BCH receiving a special award from the Hamfest Committee for his many years of service in planning their programs and helping as one of "Ed's Coolies" (Ed Holdsworth N2EH, who along with Harold Smith K2HC, oversees the whole operation, the biggest of its kind in the NE.) Other well-known QCWA'ers visiting us included Wes W4COW and Blanche W4GXZ Randles, all the way from Tampa FL, ARRL veep Hugh Turnbull W3ABC, and Bruce Kelley W2ICE, curator of the AWA Museum. Bruce had a stroke the third week of August, but reports are that he pulled out of it and is to take it easy awhile and not drive his car. Rochester having no QCWA chapter, Bruce decided during the hamfest to join our Finger Lakes Chapter — great to have him aboard. He was one of the three founders of the Antique Wireless Asso-

ciation, which remains the top radio-history organization on the continent, with inarguably the best museum.

I do wish to say that QCWA will quite likely need an official representative — not a member of Chapter 29 — at the Rochester Hamfest next year. We have been there for three years now, and feel that National should provide a representative at the booth in the coming years. We may join in, but at such a huge 3-day event, and even with Harry Dannals informally being there, this is a heads-up: a Director should apply in writing to Harold Smith K2HC, next spring, so as to obtain the necessary Exhibitor credentials. If there are any questions about how to do this, feel free to contact me. I may still apply to be one of the two exhibitors (they give credentials to only two), but I cannot make that guarantee. This is also an opportunity to say hi to Walt Brink W3WPY who is pretty much under doc's orders to take it easy, and thus has not been traveling as he used to. (Walt used to run the Rochester booth, but has been unable to do so of late, and we all wish him the best of health.)

We have not built up one of those banner stands yet, not needing one at places we have been for meetings. If we have a breakfast on a weekend, however, we will no doubt need one. Time to find a member PVC expert and get one constructed!

The Internet's QCWA web site is very nice. Although I am still ny2v_fred@juno.com, I have signed on with ATT Worldnet and have been finding great sites on the WWW. You will also find a great site with great links operated by FISTS, at <http://n9nvv.qrp.com/~fists>.

Our chapter's lifeblood is the generosity of its members — we accept donations, and to all who have done so and continue to do so, and to virtually everyone who participates in our 50/50 raffle, including some who turn their winnings back to the chapter — of late that includes Cuz Thisse W2BJI who had a short lapse in membership but is back on board as of this month, and John Gonroff NT2D — I wish to express my gratitude on behalf of the chapter.

At the luncheon we just enjoyed, Charlie Floring W2AK, who is the Radio Amateurs of Greater Syracuse historian for the years prior to RAGS's creation in 1955, brought a gigantic album which attracted much attention. Material from it was used by Jim W2BCH at the ceremonies the same day as our luncheon, officially opening the MOST (Museum of Science and Technology) amateur radio station, sponsored by the Liverpool Amateur Repeater Club and having the call of long-time QCWA member Les Fryer, W2CM. Another station is operated in a railroad caboose on a siding at the New York State Exposition grounds here in Syracuse. W2BCH twisted W2RBK's arm a few days ago at our lunch, and George agreed to be trustee of our new chapter call. Plans on what to do once we have our won call have not been discussed, but we're taking it one step at a time. A vote will be taken this month on whose call will be applied for under the vanity callsign system. As you can see, ham radio in Central New York has not gone to seed.

Speaking of MOST (everyone should visit it — it has the only IMAX theater in NY State, for example), Syra-

cuse is really a cultural center. We have a nationally-renowned zoo, the I.M.Pei-designed Everson Museum of Art, a gigantic convention center complex, a brand new stadium, the huge on-campus SU Carrier Dome with all its events, the Empire State Expo with something happening every weekend and a huge fair at the end of August, a top-rated symphony orchestra, and the list goes on. See all about us on the internet: www.syracuse.com ! (That web site, incidentally, has been recognized as one of the best city sites in the nation - take a look and you will see why.)

Fred Adsit, Sec'y/Treas

Chapter #30, West Virginia



Left to right (back row): President Ron Selders W8UQ, Laymon Knicely W8CCR, Cal Basham W8NR, Ruth Rice K8ARA, Al Hix W8AH, Jim McEwuen W8GUL, Bob Hough W8ESQ, Frank Wilkin WA8LFZ. (Front Row) P.J. Palagino WD8IBN, Bob Sims W8KBM, Vaughn Rice W8VOI, Sam Moore W8NCD, Arnold Sayre W8WVM, George Ward W8JWX.

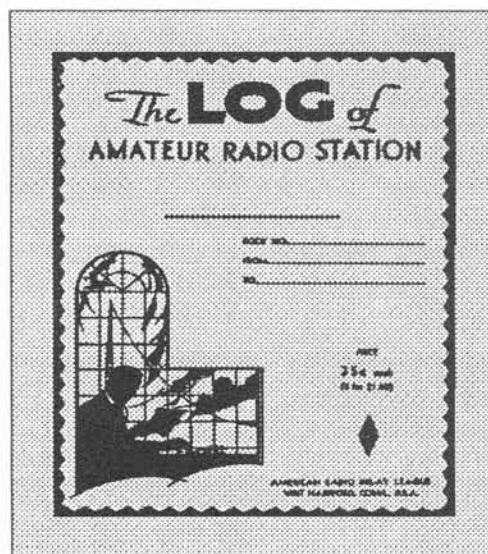
The Western Steer Family Restaurant in Flatwoods West Virginia was the setting for the May 3, 1997 Spring Meeting of West Virginia Chapter #30.

Despite the lucky number of members attending (13) plus 6 guests, an usually great time was had by everyone attending this particular meeting. Following lunch and a brief business meeting, President Ron Selders asked each member present, to get up and give a thumbnail sketch of how they decided to get into the fabulous hobby of amateur radio. Each person gave a more than interesting talk about themselves and how ham radio played an important part in their lives. Some of the stories went back as far as the 1930's. This meeting will probably go down in the annals of ham radio as the longest eye-ball QSO ever. A couple of hours went by smoothly and quickly. Another meeting has been scheduled for August 1997, during the Jackson's Mill hamfest. The regular Fall Meeting of QCWA Chapter #30 will be held in Charleston West Virginia in September 1997.

P.J. Palagino, WD8IBN - Secretary/Treasurer

ADD TO YOUR COLLECTION

A Beautiful Reproduction of a 1936 Logbook



Remember those days ?

Add this to your collection

Better Yet ..

Buy a copy for your station and enjoy its format

Now available from :

QCWA Inc.

159 E 16th Ave

Eugene, OR 97401

\$ 6.00 per copy

Our thanks to Tracy Reese, WB6TMY, who fell in love with this era of amateur radio and conceived and furnished the art work.

In cooperation with ARRL, the Quarter Century Wireless Assn., Inc, presents this special edition.

Chapter Reports

Chapter 35, MidContinent

The Spring QCWA Banquet of MidContinent Chapter 35 was held April 6, 1997 at RC's Restaurant. It was a gala event and full of surprises. President Larry Reeves W0GKZ announced the Vice President's post was filled by Clarence Annett, WA5SWN. Bill McGrannahan K0ORB, Convention Chairman said Mildred Arnold, W0CCO, had firmed outside tours for the Golden Anniversary Convention and would host these activities. Included are Truman Library, Imax facility, Arabia Steamboat Museum and Plaza Riverwalk, there's more.

Today's Program. Speaker Don Whitman, retired NOAA Engineer, told how the Weather Service began its Tornado Warning System, and cited several stories of interest to all 51 members and guests at the meeting.



Gene Gourley, K0YML and XYL pose for the QCWA Cameraman at the banquet. Gene calls the net each Thursday at 2030 hours local time and receives between 25 and 40 checkins weekly.

Gene Gourley, K0YML, Net Control said QCWA Thursday night check ins were increasing and encouraged all to listen at 2030 hours weekly for QCWA news and announcements pertaining to the upcoming National Convention to be held in KC on Oct 10 - 12, 1997. Weekly Thursday on -the- air meetings are on N0RK 37/97 the High Fidelity Voice of KC.



*President Larry, W0GKZ (r) welcomes new Vice President W5SWN, Clarence Annett.
Cass Cassing, W0GJG*

Chapter 37, Harrisburg (PA)

Chapter 37 held its June 1997 meeting at Shoney's Restaurant in Carlisle, PA. Fourteen members were present.

John Izzo, W3JIE, and Bob Palladino, K3SJG, were back in attendance after being reported ill at the March meeting. George Kabroth, W3PLI, was just getting out of rehab after heart surgery and was unable to attend. Due to health problems, George has resigned as the treasurer of our chapter after over five years of faithful service. Thanks for a job well done, George.

Carl Morris, WN3DUG, graciously volunteered to take over the duties as treasurer. Note that Carl regained his original novice callsign from 1955.

One week after the meeting, the obituary of Chapter 37 member A. A. "Hank" Manning, W3ND, appeared in the local paper. W3ND was the recipient of the QCWA 75 year award last year, but was too ill at that time to attend our meeting and accept the award. Our condolences go to his widow, Fannie, and the rest of his family.

Dave Barrows, W8IJ - Secretary

Chapter 39, Akron (OH)

The meeting of July 24, 1997 was held at Dakota's Grille at noon. There were 12 members and 13 guests present. After the meeting one of the guests joined our chapter (AA8V).

After lunch and a short intermission our chapter President Bob Paul W8CMO offered the floor to our member Harold Davis W8NNS gave an interesting talk about Clocks, with lots of show and tell examples to pass around for close inspection. (Unfortunately, there was some QRM from a little hen party on one side. Hopefully, those who prefer a private conference during the presentation will, in the future, remove themselves to another room for that purpose.

Then, after introductions all around, Bob called upon Sec'y/Treas Bill Hessler W8DXT who reported that as of July 18 we had on deposit at First National Bank \$270.60 in the general fund and \$28.50 in the Kitty Fund (OSCAR), as well as \$25.28 in Petty Cash. The treasurer's report was duly accepted. There was an announcement of the COOCOM meeting at Sharon, PA which Bill is planning to attend with any others who wish to ride along. Jim Trutko W8EXI answered President Bob Paul's call for volunteers for a nominating committee chairman. It was agreed to hold the next meeting at the same place. Jim Trutko W8EXI suggested that our guest Greg Latta AA8V be offered the floor for remarks. Greg reported on his activities since moving from here to Frostburg, MD some years ago. He has recently produced an album of his music on CD and cassette tape. Addressing the topic of the day, he reported that he has a cesium clock in his office at the university where he is a physics prof. It is one of four such clocks that the university has received. They are the most accurate type of clock known. The meeting then adjourned. The usual Kitty collection for OSCAR (AMSAT) amounted to \$15.50.

Bill Hessler, W8DXT - Secretary

Chapter 41, Dallas

The Dallas chapter recently held its election of officers and of succeeding staggered directors (staggering directors are not unknown to the chapter) as it does every two years. Elected were Ken Norvell, W5KN, President; Jerrell Jones, W5TUU, Vice President; and Bert Wells, W5JNK, who was re-elected Secretary-Treasurer. Directors elected were Richard Baner, K5RB, and John King, K5CDV. Chuck Armstrong, K5IRM, continues as a director.

The installation of officers and directors took place at a dinner dance at the prestigious Bentley Woods Country Club in Dallas. Flown in to provide music for the occasion was the renowned Effenhostenheimer-Hoerst Glockenspiel String Quartet of Dusseldorf. The distinguished tenor of the Berlin Opera Herr Goering Jordanklaus-Jones, W5CF (ex-DL3DQ) made a rare States-side appearance.

It is with profound regret that the Chapter notes the recent passing of three esteemed members: George Ahrens, W5JN, Walt Wiederhold, W50GZ (Walt was a long-time Secretary-Treasurer of the chapter), and Frank Wanja, W515. The annual Gimme-Cap Night Social was held recently at a local sportsatorium at which members of the culture-steeped Dallas chapter exchange business cards with wrestling fans and discuss Foreign Policy between bouts as participants in the government's Outreach



Former chapter president Bob Olney, N5NT (left), passes the chapter's golden gavel (14k) to new president Ken ("Tex") Norvell, W5KN, prominent west Texas rancher and philanthropist.

Networking Program (ONP) sponsored by the State Department. At the forefront of the Chapter's participation are former local long-time professional wrestlers Luther ("Gorilla") Pully, W5JIZ, and Gus ("Sledge Hammer") Howard, W5KM, whose frightening appearance and stance in masks and tights is still a topic of late night discussion in sports bars.

Bob Olney, N5NT, President Emeritus (Retired)

Chapter 45, Citrus

Citrus Chapter has presented Century Club certificates to eight of its members: Harry Albright, W4ZCT; Charles Bolvin, K4KQ; Merton Crichton, W4PGT; Donald Hawley, W4ZU; George Jeck, W2IOE; John Morhart, KB4TAG; Fred Ritter, W4FI and Bruce Wyman, K4OP. These certificates attest not only to the longevity of the members, but to their attachment to Amateur Radio. Two, Mert Crichton and John Morhart have been presented with their 75 year plaques.

We were pleased to have to former members of the Chapter, "Jackie" Depizol, W4NWI, and Dr. Nelson Murray, W4MBM become active in the Chapter again. As was pointed out in a recent Journal editorial we add more new members than we lose by the Silent Key route, yet our number of active members stays about the same. Keeping QCWA attractive to present members is a must.

Lee Aurick, W1SE, who has had two articles published this spring in QST, has another antenna article in the works, this one to be published, at a date to be determined, in CQ-VHF. He displayed his latest antenna at our June meeting. It consists of a square loop, a full wavelength on 2 meters, essentially forming two half-wave antennas. The pattern off the broadside of the antenna has a gain of approximately 3 db. The antenna could be the answer for places that have severe space restrictions.

The Chapter took, what might be considered the final step in dedicating our repeater to the memory of Silent Key Don Fisher, W4PLA. After considerable time and effort we obtained W4PLA as the identification of 147.195 MHz repeater. In July we placed a plaque on the repeater frame dedicating the unit to the memory of Don.

Citrus Chapter meets the third Saturday of every month at Stacey's Buffet in the K-Mart Plaza at the junction of State Routes 436 and 434 in Altamonte Springs, Florida. The Plaza is short distance west of the route junction on SR436. We meet at noon and all hams are welcome to join us to have good food, reasonably priced and lots of good fellowship. The Chapter net meets each Tuesday at 1930 hours local, 147.195 MHz. Any hams in the area are invited to participate.

Paul Turner, W1DLP, Secretary

Many times, we may not be able to find help
but there is never a time when we can't give it.

Chapter Reports

Chapter 51, Tex-La Golden Triangle

Our May meeting was held at Dorothy's Front Porch on Saturday, May 3rd with 31 members and visitors present.

The program was presented by Dukes Graham, K5JFM. Since retiring from the U. S. Postal Service he has developed an interest in collecting Native American artifacts. He described the geological history of our area and reminded us that 20,000 years ago our coastline was some 200 miles to the south. He passed around specimens he has picked up along area river banks, including the vertebra of a woolly mammoth.

He described the life of the Native Americans who in 500 A.D. lived on shell mounds along the Neches and Sabine rivers and showed us samples of their pottery and cooking stones. The shell mounds are now federally protected. Dukes told us that he legally hunts for artifacts in the waterways adjacent to the mounds.

The June meeting was held at Dorothy's Front Porch on Saturday, June 7th with 36 members and visitors present.

Our program was presented by Carl Nutt, WK5E, general manager of the Port Arthur Division of Kay Electronics. He gave us a brief overview of trunking radio systems.

The July meeting was held at Dorothy's Front Porch on Saturday, July 12th with 25 members and visitors present.

We were relieved to hear that former Port Arthurian Mary Dosland, W5DEW, had weathered the recent floods in Minnesota behind a wall of sandbags 4 feet high.

Our program was presented by Fred Goenne, WA5QAQ, who told us about medical x-rays. He demonstrated a disassembled x-ray tube, complete with its rotating anode.

Dub George, W5DUB, Bulletin Editor



CHAPTER REPORTS FOR THE WINTER ISSUE OF THE JOURNAL ARE DUE NOVEMBER 1ST.

Chapter 53, Suncoast

Chapter 53 concluded its first season at its new meeting place in Sarasota Florida - Denny's Restaurant on Bee Ridge Road. Everyone feels happy with the conference and parking facilities, and we propose to continue with this location next fall. In the meantime, informal summer meetings will take place in Venice at the Half Baked Cafe'. Our first full meeting next fall will be the first Thursday in September at noon. A big thanks goes out to our incoming President Frank Schwab, W8OK for his contribution to our interesting presentations this past Spring.



Two of Chapter 53's dedicated officers. W8MEJ Virginia Menerick, Secretary (on left) and KA9QJS, Bea Pearsall Treasurer.

One of the major highlights of this year was the presentation to Frank Lester, W4AMJ. Frank was a founder and one of the 5 living Charter members of QCWA Inc., and holds membership number 13. Almost 30,000 Amateurs have joined QCWA since that time. QCWA Historian Wes Randles, a member of Chapter 53, presented Frank with a certificate declaring him 'President Emeritus' of Chapter 53.

The following officers and directors will step into office in October 1997 for a 2 year period:

President Frank Schwab, W8OK
Vice President Bob Siff, K4AMG
Secretary Virginia Menerick, W8MEJ
Treasurer Ben Pearsall
Director Charles "Dick" Dean, N4RD
Director John Willig, W8ACE
Director John Fyke, VE6AIV

Looking forward to seeing you at our annual convention in Kansas City in October.

Croft Taylor, VE3CT - President

One good thing about being a man is that men don't have to talk to each other.

-Peter Cocotas

Wisconsin Chapter 55

Saturday, June 14 was one gorgeous day for WI Chapter 55's spring meeting at Fisher's Supper Club, Lake Delton, WI. Forty-four members and guests came from around the State to attend. Preceding the meeting, there was a registration and attitude adjustment period. During which Grace Froehlich (the wife of Erv, W9RZW) entertained us with many familiar tunes on the piano as "Eye-ball" QSOs took place.

Afterwards everyone found a place at a table. Then Chairman Verne Teske, W9RYA, called for a moment of silence in respect for our most recent "Silent Keys" George Cox, W9OBB (ex-N9BCX), and Daniel Maxwell, W9ANC. Included also were those that have preceded them. Verne then gave the invocation after which everyone enjoyed a buffet style dinner. The food was plentiful and wonderful.

Following dinner, there was a short business meeting that included reading of the minutes by Jack Krause, W9JK, the secretary and a treasurer's report from Erv Froehlich, W9RZW. Next, Verne asked for a location for the October business meeting and a committee to arrange it. He also asked for a nominating committee as three board members' terms are expiring. Having received no response to either call, the current officers and board members will serve as a nominating committee. Verne will work on getting an October meeting location and committee. It will likely be in the East Central part of the state. Presentation of certificates came next. Fifty-year Anniversary Awards went to: Jackie Toppe, W9AYX, (she got a 100-year Century Award too), George Halper, W9SUF, Verne Teske, W9RYA, and Erv Froehlich, W9RZW.

Although not present, Mel Bernstein, W9WZ, got one for 55-years. Reno Goetch, W9NA, was the recipient of a sixty-year award and a 109-Century Award. Sixty-five year awards went to: Duane Haas, W9BCV, and Harvey Bahlke, W9HNX who got a 110-Century Award too. George Toppe, W9QFL, received a 70-year award and a 121-Century Award. This reporter was the recipient of a 101-Century Award.

John Catlin, W9ZVY, the recipient of the highest award, a 75-year plaque was unable to attend due to knee surgery. So, Erv Froehlich, W9RZW, visited John and pre-

sented him with the plaque. John Catlin as No. 3 is special to the QCWA and Chapter 55. He was born in 1908 and learned the code at age 10. He had a working spark/crystal transmitter when he was 12 years old. He FINALLY got his license at 14. John is a retired chemical engineer for Kimberly-Clark. His weapons of choice before and after WWII were KW rigs but now is content with a 100 watt transceiver. He checks the 20 and 40 cw bands every morning and usually makes a contact. He looks forward to being on the bands when he's 100.

Door prizes were an exchange of items. Anyone bringing a door prize could pick one from the table. After this exchange, we had a program furnished by Ed Wille, W9PWG. It was an interesting and informative video tape about the "Code Breakers." They were people who worked on breaking the German and Japanese codes and ciphers during World War II. Our thanks to Ed for all his work providing this program. After the program, it was home-ward bound for all of us.

Les Peterson, W9YCV, reporter

Chapter 63, Central Oklahoma

Ham Holiday 1997 held in Oklahoma City on July 25 and 26 turned out to be a great success, especially for Chapter 63. Chapter 63 manned the ARRL/QCWA booth, selling ARRL books and recruiting new members for National QCWA and Chapter 63. There was in excess of 60 QCWA members that came by the booth to visit and sign our sign-in roster. Our efforts resulted in the signing of four new members for National QCWA and five new members for Chapter 63. The new members for National and Chapter are, Sam Binkley, KL7V; Lee Forrest, W5HLZ; Ronald Minton, WJ5Y; and Mac Vincent Jr., WA5RAS. The other Chapter member signing up is a life member of National QCWA, Bert Aaron, K2BA. Additionally we are in hopes of getting several more people to sign up as they were very interested in joining. Welcome to all the new members.

Our quarterly Chapter luncheon meeting held on Saturday July 26 at The Golden Corral on North May Ave. in Oklahoma City with several members and guests in attendance. During the meeting we were privileged to have Barney Boone, KJ5AE, ARRL Assistant West Gulf Division Director and Jim Haynie, WB5JP, ARRL West Gulf Division Director as our guest speakers. Jim gave a very interesting talk on happenings within ARRL and some of their goals.

Also during the meeting certificates were presented to Chapter members. The following members received Gold Certificates as indicated. Bob Graham, W5RXN, 50 year; Wes Miller, W9LAB, 55 Year, Bill Rogers, WA5RAQ, 60 year; George Clark, W5JJK, 65 year. Congratulations to each of you.

Jay Ingram, W5QVS - President



John Catlin, W9ZVY receives the 75-year Award from Erv Froehlich, W9RZW



Chapter Reports

Chapter 64, El Paso (TX)

The El Paso Chapter 64 QCWA continues to hold its noon luncheon meetings at Buck's Bar B Q at Sanders and Dyer Streets on the third Saturday of each month. Guests and new members are always welcome. At our June meeting, one of our guests was from Rio de Janeiro, attending with her sister and brother-in-law, Vasco Rhoden, W5NPI.

In lieu of scheduled programs, we randomly call on members or spouses to give a short report on their background in ham radio or interesting things they've experienced through the years. Recent reports were from Jaunita, XYL of Tex Burdick, W5BQU and C. W. Hiett, N5HRD.

A Life Membership Certificate for Chapter 64 was presented to George Nail, K5GSA. We regret to have to report that one of our directors and long time members, Ed Corliss, K5DIT, became a silent key on July 11, 1997. He was member number 5~ in the 10-10 International Club, very active in the local 10-X Club, QCWA, and the local Prospector's Club. Before he became handicapped a few years ago, he contributed much time and effort to community service. Ed will be sadly missed by his many friends, as well as his wife, Elizabeth and daughters, son and grandchildren. Our sincere sympathy goes to the family.

Jean Carlson, K0ZRD - President

Chapter 65, Niagra Frontier (NY)



Meritorius Award is presented to President Bob Rooney, W2AET (l) by Vice President Tom Whalen, W2QI.

Chapter 67, Armadillo (Austin, TX)

Monthly meetings are held at a local cafeteria, where we socialize while eating dinner, conduct a business meeting followed with a program. The June program was about Digital Signal Processing (DSP). Jim Froemke K0MHC made an interesting presentation and demonstration explaining the various uses.

Although attendance has been off in recent months, the activities are developing and beginning to increase. In addition to the programs at most monthly meetings,

there has been a major function every three months. In March - a public demonstration booth/special event station for twelve days and evenings at the Travis County Youth Fair, where non-members of QCWA helped fill in some operating slots, and a number of 'recruits' joined the class for new hams the final Saturday; now in June (which will have happened by the time you read this) we will again participate this year by joining forces with the other local Austin clubs to have one large Field Day and will act as the hosts for the attending public while filling in as operators and doing other tasks as needed; in September we will again have a one day public display/special event station at the Austin Children's Museum International Festival where last year we even had one of the Astronauts join us for a time; then we will have our Christmas party in December.

For ongoing projects, there is an effort to produce a series of television shows; producing an informative international handout including all the local clubs for prospective membership; and under consideration is a trailer for demonstrations at public locations.

We also welcome recent new members Ed Popp K5BOT, Larry Gunter WB5BEK, and Terry Krey N5fICR. Activities and new members go together. We're glad to add them to the team.

In place of the Tuesday night regular meeting time, it was decided for July and August to have the monthly meeting on the third Saturday at the same place, Luby's - North Loop, and the gathering time is 11:30, to try and encourage more attendance. Hopefully we will attract some that have been missing.

Roger Wines, W5WIA - Vice President

Chapter 70, QCWA National Capital

The last meeting of QCWA NC Chapter 70 was held at the Carlingwood Family Restaurant in Ottawa, Ontario on May 21, 1997. The guest speaker was Clare Fowler (VE3NPC), a member of our own Chapter. Clare gave a very informative, illustrated, talk on Amateur Satellite Communications. He especially noted AMSAT Phase 3D satellite that is scheduled to be launched in September, 1997. Clare brought along his home-brew antenna configuration that he will be using to access the Phase 3D satellite. A very fine piece of workmanship indeed!

We were pleased to be able to present four 50-year certificates at this meeting. The recipients were:- Phil Robinson (VA3PR), Ralph Cameron (VE3BBM), Don Bower (VE3BEF), and Keith Bedal (VE3GFI).



**Don't forget the
QCWA National
SSB Net on Sun-
days at 2000Z
on 14347**



Director Doug Leach (VE3XK), on the left, is shown presenting a 65-year Certificate to Charles Poole (VE3OJ) on the right. The presentation was made on June 5th, 1997. (Photo courtesy of Jim Dean (VE3IQ))

Chapter 81, Long Island

We had intended to provide a photo of our own Charlie Baker, W2KTF, with Marshal Etter, W2ER, our honored speaker for the June meeting. Unfortunately the film leader pulled off of the takeup spool and the roll was blank. I think that's the second mistake I have made. Now I have to find a way to make it up to Marshal who did such a fine job of showing the chapter around the collection of slides and recollections of his many years at RCA's once vast facility here on Long Island. Karl Johnson, K2KM, a Charter Member and the first chapter secretary drove in from Quogue with Marshal and got reacquainted with the chapter members.

Marshal was the last Chief Engineer at Radio Central. He showed slides including the construction of the workings of the huge antennas which were the hallmark of the operation and a principal resource during the period when Long and Medium Wave propagation was thought to be the only way to work long distances. The transmitting and receiving facilities are all gone now and the recollections of folks like Marshal and the few hardware relics and photographs that still exist are treasure for the present and future generations.

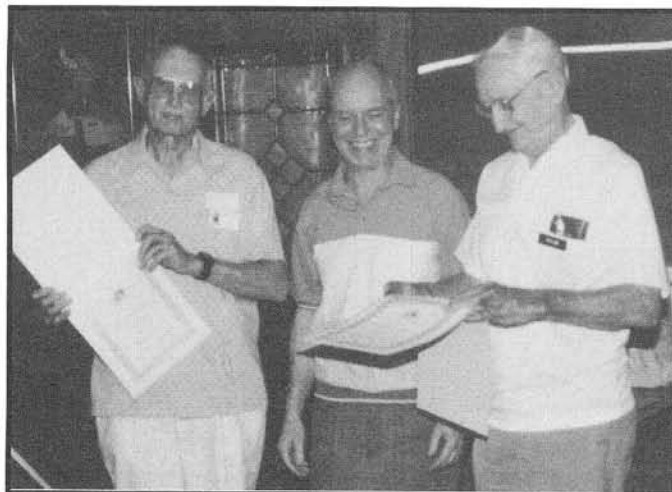
In July the ARRL Hudson Division held a picnic in Bethpage State Park which was attended by 300 people including about a dozen from Chapter 81. Our own Ed Pillar, W2KPQ, was awarded a certificate for being the "Longest Licensed" ham. VP Herman Milatz, W2TLC, got the certificate for being the oldest ham (b. 1912).

President Charlie Baker, W2KTF, is mending after getting the athlete's injury to a knee. He had orthoscopic surgery and is picking up more speed every day.

The Chapter is scheduling its October meeting for noontime in hopes that daytime meetings will bring out more members, especially during the harsher winter months.

Carroll Hamlet, W2QBR - Secretary

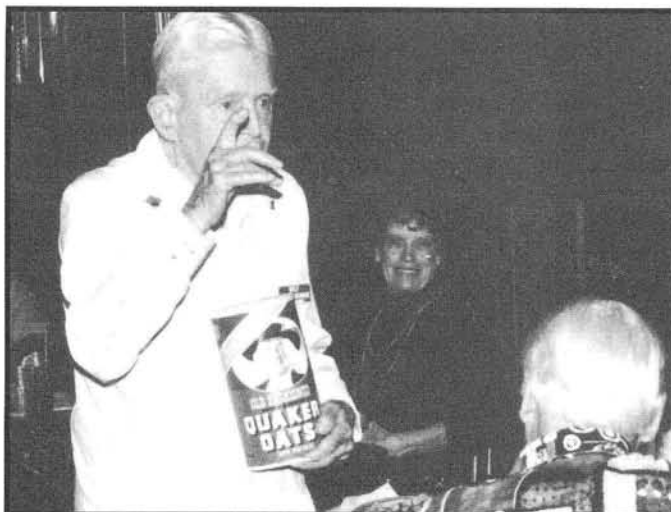
Chapter 91, Vic Clark (VA) - No text



Jim Wilcox, W3WV (c) presenting 65 year Awards to Jack Kelleher, W4ZC (l) and Howard Bullock, W4LBM (r). Photo by K5RJ.



Jack Kelleher, W4ZC presenting 75 year awards to Charles Stay, W4HE (l) and Jack Kingman, W4JT (r). Photo by K5RJ



Jack Kingman, W4JT explains how he will use his newly acquired 160 meter loading-coil form. Photo by K5RJ.

Chapter Reports

Chapter 98, Dogwood (BC CAN)



VE7FB Ernie in our ham shack.



Newly elected officers (l to r): Secretary Ernie Savage VE7FB, President George Puhl VE7BKB and Treasurer Dave Gilmour VE7YG.

Reported by Ernie Savage, VE7FB

Chapter, 105, Middle Tennessee

Chapter 105 held its quarterly meeting at Ryan's Steakhouse in Hermitage, TN on May 10, 1997, ten members and 4 visitors were present. The Chapter's business was conducted as usual.

There have been an unusual amount of illness and accidents to our membership lately, causing our meeting attendance to be low.

I am happy to report that Mr. William Sanders, AC4GN is still on his way to recovery, doing better than last report.

Our President, Mr. Don Perry, K4EZX has had eye surgery.

Mr. Jim Brown, KJ4CF has had a broken hip and his wife has had a broken arm.

Mr. Eddie Justice, WA4JJY has had Knee replacement surgery.

Mr. Charlie Wolf, WA4BMV, our VP had a broken ankle.

As far as I know at this time all are recovering satisfactorily.

We are looking forward to having these members back, along with all those others who have been absent

over the past several meetings, remember, it takes all members to make this Chapter successful

O. D. Keaton, WA4GLS, Secretary

Chapter 106, German Chapter

The yearly lunch meeting at the German Chapter was held Friday May 16th in Wuerzburg. 21 members and their wives gathered in the restaurant and had a wonderful lunch. At 19:35 Chairman Albert Leinemann opened the meeting and gave his for the last year, followed by the reports of the secretary and the treasurer. There were no errors found in the members and treasurer's reports. The counting of the votes for the officers could start. The result was that three officers stay in duty for another two years: Chairmen Albert Leinemann, DL9AR; Treasurer Hans-Juergen Hautsch, DL1JOE and Secretary Werner Lembcke, DL1ZC. The only new officer will be Vice-Chairman Klaus Schitthelm, DL7JK. After a discussion whether the votes for the officers were correct, the meeting closed at 21:40.

On Saturday there was a tour by bus to Rothenburg ob der Tauber that started at 0900 from the hotel. After a ride over the "Autobahn" the beautiful city was reached. There was a walking tour of two famous churches and the site of a former castle. Afterwards the "Meistertrunk", a remembrance of the 30-year war from 1618 to 1648 was watched. The audience was happy to see a musicband in the clothes of the 30-year war marching through the street.

After dinner in the restaurant "Zum schwarzen Hirschen", the trip went on to Weikersheim where we visited the famous castle. The tour bus then took the party back to Wuerzburg. Despite the outside hot temperature, it was a really nice tour through the lovely landscape of middle Germany.



Members of Chapter 106 on the tour to Rothenburg ob der Tauber.

Werner Lembcke, DL1ZC - Secretary

Most government programs have three things in common -- a beginning, a muddle and no end.

Chapter 112, Yankee

Yankee hosted the QCWA New England picnic this year at Hopkington State Park in Hopkington, MA on July 19. Although a small group, members came from all five New England Chapters. And that included three members from Maine! Next event for Yankee will be the Christmas Party in early December. Watch for the next Newsletter for full details and date to be mailed in October.

Chuck Walbridge, K1IGD

Chapter 120, Quarter Century Wireless Women

At 131 members, Quarter Century Wireless Women, Chapter #120 of QCWA is the only International Chapter for women. Because we have no one location, we have only one annual meeting and that is at the annual QCWA Convention. All other contacts with members is through our quarterly newsletter "sYLver Sparks" edited by Ann Arnholt K9RXK.

We are trying to increase our membership and would like to hear from any QCWA member who would like to join our chapter. Though it is basically for women, QCWA By-Laws allow all QCWA members to join any other chapter, so we do have a few OMs as members. If you would like to join, please send your name to our Secretary/Treasurer, Carolyn Brooks, AB7ET, PO Box 7336, Klamath Falls, OR 97602.

Respectfully Submitted, Carolyn Brooks, AB7ET

Chapter 123, Lee Deforest (IA)

The annual meeting of the Lee Deforest Chapter 123 was held at the Marina Inn, Sioux City, Iowa on April 26, 1997. There were 47 members and guests at the noon luncheon, after which a business meeting was held, conducted by President Jack Robinson W0RJZ.

Chapter reports were presented by Sec-Treas Larry Wacha, K0EDO and accepted by the membership.

A moment of silence was held in honor of Silent Key, Bob Beals, K0DBW. He was very instrumental in the reorganization of our chapter and did much to promote QCWA and Amateur Radio. He will be sorely missed.

Awards were presented to Al Smith, W0PEX, and Lloyd Brown W0CON by Sec-Treas Larry Wacha K0EDO.



Chapter 123 Awards (l to r) Al Smith, W0PEX - Century Club Award and Lloyd Brown, W0CO - 55 year certificate.

The meeting ended with a drawing for door prizes.

It is with great pleasure to report that Art Ellis, KB0BET is now back on the air. He is blind and had moved to the Iowa Veterans Home in Marshalltown, Iowa in December, 1996. After meeting with the Commandant and Maintenance Supervisor there, permission was given to put a 160 meter 1/2 wave dipole up on the roof of Art's building. As soon as the weather permitted, which was in May, 1997, we were able to get the job done. With the help of an antenna tuner, Art is able to work all bands. Many thanks to Dean Striley, K0RN for helping put it up.

We hold our weekly Chapter net every Sat morning on 3940 from 7:30 until 8:30, hope to see you there. Net Control Stations are W0RJZ, K0BRE, W0RPV, and K0EDO.

We are looking forward to the convention in Kansas City, it should be great time of meeting new people as well as seeing old friends again.

Larry Wacha, K0EDO, Secretary-Treasurer

Chapter 126, Piedmont (NC)

Piedmont Chapter in North Carolina met in Chapel Hill on June 7th with 34 guests and members in attendance. The meeting opened with a fellowship period followed by our luncheon at the Pyewacket Restaurant. It was reported that our Chapter had an increase of seven members since the beginning of 1997. Our efforts have been successful by going through the Journal listing of New Members each quarter, and sending invitations to those listed to join our Chapter. Our new members since January 1, 1997 are WB4AQK; KR4UB; W4LN; AF4NC; W4CC; W4AIR; and KA4TKU.

Following the meeting we adjourned to the Morehead Planetarium run by the University of North Carolina, Chapel Hill campus. There we saw the wonders of comets and meteors including the big one that changed the Earth millions of years ago, as well as the most recent Hale-Bopp comet that was so prominent in the northern skies this Spring. For those who missed the actual viewing, you may still see it by going to a southern continent like South America or Australia this Fall.

Our Net Control station, AB4DQ reported that the Sunday morning 8:45 gathering on 3595 kHz had an average attendance of 11.4 stations with 26 different stations reporting over the three month period. The Chapter welcomes all in joining us on the Net each Sunday, especially if you are passing through between 8:45 and 9:30. We would love to hear you.

Henry G. Elwell, Jr. N4UH, Secretary

Chapter 128, Pelican (FL)

The Pelican Chapter 128 will again host their Famous Chicken Picnic on November 19th at Lake Seminole Park, Shelter #13. Lake Seminole Park is located at Park Blvd, and Lake Seminole in St. Petersburg. The Picnic is welcome to all QCWA Members, and their guests. Tickets are \$7.50 each and are obtainable from Don Bice, W4PCO, phone 813-347-2702. Before the meal there will be a period of attitude adjustment after which numerous prizes will be awarded.

The Pelicans have been active since last reporting to the Journal. Our President, Buddy Morgan WB40MG and Vice President, Ken Johnson WA4TOP have been having inter-

Chapter Reports

esting programs at each Chapter meeting. Our last formal meeting and newsletter for the summer was June. However, the Pelicans continued to meet on an informal basis at the regular meeting place of Stacey's Buffet, in the Tyrone Gardens Shopping Center, during July & August, with regular formal meetings and newsletters starting again in September. Our Chapter continues to grow, since the first of the year the following new members have joined our chapter W4YCM, Billy L. Byrd, WA0FRP, Dr. Edwin M. Ellis, W6GL Frank Platner, K1QPJ, Leonard Witkowski and WA1EDR, Lorraine Witkowski. The Pelicans were saddened by the death of WA2MRB, Edward Finlayson, a Pelican Member. The Chapter had a near tragedy, when Dave Stocky, K4KE was almost electrocuted. It happened quite by chance. Dave, the owner of a mobile home (RV), raised the antenna on the vehicle, and it struck a 7.2 Kv line. When Dave stepped off the RV he was knocked to the ground by the shock. The RV was destroyed by fire. It's great to still have Dave with us.

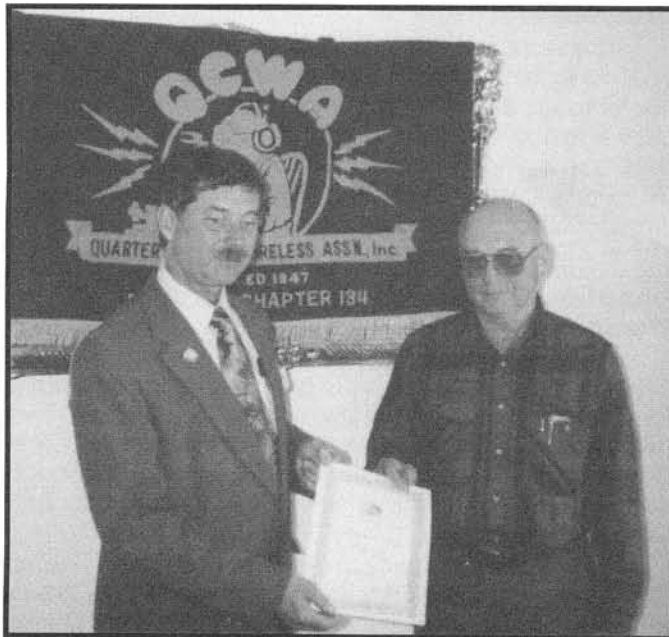
Jay Strom, K9BSL - Pelican Secretary

Chapter 134, Pine Tree

The Pine Tree Chapter #134 held its quarterly meeting on June 6, 1997 at the Village Inn Restaurant in Old Orchard Beach Maine. Following the Luncheon, the meeting was called to order at 12:59 by the Chapter president Bill Woodhead, N1KAT, Introductions were made. There were 45 members and guests present including three new chapter members, W1HS, Ed Watts and wife Edith from Deer Isle, K1DPM, Dick Small from South Portland and W1BCA, Ray Knight and wife Arlene from Norway. It was nice to have many chapter members with us who have returned from the south. Greetings were relayed to all from W1UKR and W1KUL who could not make the trip from Brassua Lake today.

W1CUW, Sal Aliano was appointed to act as Teller of the ballots for this years Chapter election. Balloting closes July 31, 1997 and the results will be included in the August issue of Pine Tree News & Notes. Several award certificates were to be given out. A 60 Year Anniversary certificate was presented to Dick Perkins, N1RP by president N1KAT. The others, who were not present, will be given their awards at a later date.

K1IGD, Chuck Walbridge, the National Secretary spoke of his new duties as secretary and filled us in on some of the actions taken at the recent National Board meeting in Oregon. He mentioned a discussion concerning Associate Membership and its implications. More on the subject will be forthcoming. A report on the Memorial Scholarship Fund indicted that it alive and well. Blanch, W4GXZ spoke about her duties as coordinator for the Taping for the blind. Gladys Chase, W1VPF, National Director noted that the new National Directory will be coming out soon and only those who have requested copies will receive them free. After that they will be available for \$7.00 each. The secretary took a list of those who wanted them. Subsequent response from Headquarters was that the deadline had passed and that they would only be available by mailing a check with the order. The September meeting place and date will be determined later and printed in the August newsletter. Three door prizes were awarded.



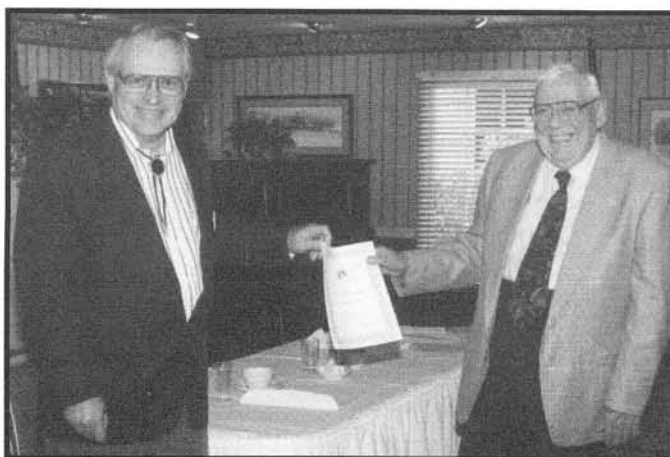
Chapter President N1KAT, Bill Woodhead presents 60th year award to N1RP, Dick Perkins

The meeting closed at 1:55pm.

Several Chapter members attended the annual New England Chapters picnic at Hopkinton State Park in Hopkinton, MA. The event was hosted by the Yankee Chapter this year. As always, everyone had a great time meeting old friends, eating, talking and just plain lounging around in the beautiful summer weather. The next meeting will be the Annual Meeting and will be held in Auburn, Maine on September 13th. More details will appear in the chapter newsletter.

Philip Young, W1JTH Sec/Treas

Chapter 137, Shenandoah Valley (VA)



Fred Holt, K2EZY (r) receiving 65 year service award from John Kanode, N4MM, Vice President Ch. 137.

Fourteen members and guests attended the meeting of QCWA Chapter 137 at Carper's Valley Golf Club on Route 50 east of Winchester, Virginia on May 21, 1997. A social period at 12:39 PM was followed by a buffet lun-

cheon. The meeting was conducted by Vice President John Kanode, in the absence of President Charles Anderson, NF3X.

John advised that two members were being dropped from the roster for non-payment of dues, leaving 29 current members. He presented Fred Holt, K2EZY, with a 65th Anniversary Award Certificate. Chapter members not present but entitled to certificates were Herbert Bigelow, W3AAA, also for 65 years, along with Charles Bennett, W8AB, 60 years, and Guy Black, W4PSJ, 50 years. Certificates for Herb and Charlie will be mailed to them. Guy became a Silent Key on April 10; his certificate had already been given to his family.

John then discussed recent ARRL and FCC happenings. There has been little response to the proposed restructuring of amateur radio in the US; the FCC has changed too much in recent years to worry about the hams. He turned the floor over to John Swafford, W4HU, for a brief discussion of QCWA matters. Of special interest was a revived proposal to establish an Associate level of non-voting membership for amateurs who have not met the 25-year license requirement for full membership. It is expected that not all members will favor such an arrangement, and it may be tough to promote. It was turned down when it was first proposed some years ago. John was disappointed when this year's Armed Forces Day amateur activity publicity didn't mention CW at all.

QCWA National President Jack Kelleher, W4ZM, was to have been the featured speaker for this meeting but was unable to attend because of illness. In his stead John Kanode gave a report on the recent Dayton Hamfest. This was the first year that Dayton had an ARRL affiliation. In the year 2000 it will host the ARRL National Convention.

The weather was fantastic; it was warm, although a little windy. Friday morning the FBI arrested a vendor found selling cable TV decoder chips. A hit later, a number of agents displaying their FBI insignia went up and down the flea market aisles. By some coincidence, about 20 other vendors suddenly closed their operations and left, even though the hamfest was just getting under way.

Attendance was down somewhat from the peak attained several years ago; the change to a later date in May interferes with some family's plans for graduation-related activities. All forums were well attended; the ARRL session had questions raised about FCC rules enforcement and repeater problems. No announcement was made about Gate 3 for vanity calls, but it may open on July 1. The FCC has come up with a scheme for self-assigned 1x1 call operations; you must identify with your regular call at least once an hour.

Adjournment was at 2:00 PM with the announcement that the next meeting would be at Carper's valley on July 16, 1997.

Perry Crahill, W3HQX - Secretary/Treasurer

Chapter 138, Marconi Central New Jersey



Ed Kracum, WB2COP, operating the PC with the map and display programs; and Bob Buus, W2OD, with the hand held GPS

On the 15th of July the Marconi Chapter Quarterly luncheon meeting was held in HoJo's restaurant in Middletown, NJ. It was well attended by 30 members. Bob Buus, W2OD, gave a report on National convention activities; Ed Roswell, K2MGM, gave a report on our new web page (www.monmouth.com/~eroswell/qcwa138.htm) showing chapter and local HAM activities and invited all to view it; Joe Strockbine, W2KCO, gave a report on the upcoming Hamfest; Phil Petersen, W2DME, reported on arrangements for a chapter outing and tour of the historic NJ Twin Lights facility where Marconi made his first presence known in America, Joe Dreifuss, W2KQ, told of plans for a field trip to visit the Air Traffic Control Tower facilities at Newark Airport; and Bernie Ricciardi, WB2EJT, asked that these activities be used to bring new members into the organization. Ed Kracum, WB2COP, and W2OD gave a very interesting show and tell on how hand held GPS receivers, strapped to handhelds, were used to report position and status of the many bikers for an all day bike tours of Monmouth county. Bob presented the technical details of the GPS and how it was used, and Ed showed how the mapping and location software was used. A live demonstration followed. All enjoyed the presentations very much.

Bernie Ricciardi, WB2EJT, Secretary



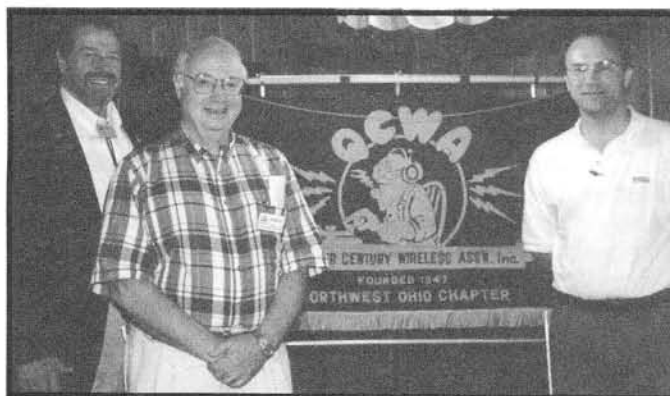
**Submit your
next Chapter
Report to Jim
Walsh at Head-
quarters by
November 1st.**

Chapter 142, NW Ohio

The big event of the spring quarter was the June 7 monthly breakfast meeting held at the 4-E Ranch House restaurant in Toledo. Honored guests were QCWA director John Edel K8LBZ, his wife Janet and their son John "Jay" Edel. Jay WN8HHJ is the president of Findlay, Ohio QCWA Chapter 18. 24 members and guests were present.

The regular order of business was suspended at this meeting and Director John was invited to speak. He had attended the Spring QCWA Board meeting and brought us up to date on several items. The proposal to lower the 25 year requirement to allow Associate Membership was defeated. Chapters may have "Associates" who don't have the 25 year history, but they will not be eligible for QCWA membership.

OTHER TOPICS: Details of the QCWA Scholarship program; Importance of QCWA Annual Reports; Journal Editor change; Donation to AMSAT; 50th and future QCWA conventions; FISTS and QCWA publications agreement; New member sign-ups at Dayton. It was an interesting and informative talk, well presented and very much appreciated by the chapter members. On July 26 the Chapter 142 Annual Pancake Breakfast Picnic was held again at a private park in Michigan. Access arrangements were made by President Dave Walker W8FKI. 40 members, wives, guests and grandchildren enjoyed an abundance of buckwheat and sourdough pancakes, sausage, bacon, pastries, fruit and other goodies. A break in the July heatwave made for a very pleasant social meal outdoors.



QCWA Director John Edel K8LBZ (l), Chapter 142 President Dave Walker W8FKI and Findlay, Ohio Ch. 18 President John "Jay" Edel WN8HHJ (K8LBZ's son (r). K8LBZ was guest speaker. Photo by Bob Taylor W8BT.

Chapter 142 has a web site. Bernie Fine WD8C is our designated site keeper, having come up with the idea and bringing it to reality. For Chapter News, Officers, Meetings, etc., check out <http://www.glasscity.net/users/bfine>.

[June 7 meeting contributors: President Dave and Secretary Bob Hannah K8ADK].

K.G. Bullock W8YDJ

Chapter 143, North Colorado

This month's photograph must qualify for a prize as the worst group picture of the year! Chapter 143 was spoiled. For years, Orlo Rotunda, KE0J, volunteered his photographic services. Then, regrettably, he moved to Lenexa, KS. No one stepped up to replace him. While the taking of this pitiful picture is fresh in our minds, let us offer some suggestions: Never use a camera belonging to one of the picture subjects. In this case, the poser (guess who!) set the right numbers, right? WRONG! In the rush, the camera was set for 400 speed film, while in fact, 100 speed film was used. Fortunately the expert at the one-hour developing place was able to compensate. Maybe we shouldn't feel bad when the film industry steals our term "DX" to describe its answer to this problem.

The Journal is available **FREE** to blind paid-up members on audio cassette tape. For more information, contact Blanche Randles, W4GXZ, (May 1-Oct 1) 44 Western Ln., Amherst, MA 01002 Ph: (413) 256-0179; and (Oct 1-May 1) 6002 N. Fremont, Tampa, FL 33604 Ph: (813) 870-0867.



Chapter 143

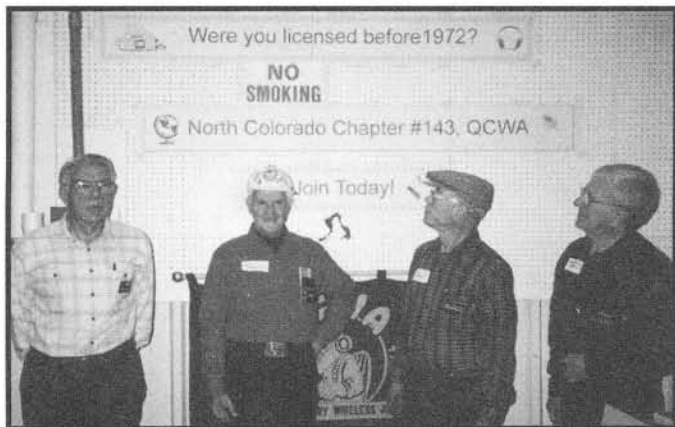
Chapter Reports



But it's the people that count, right? From left to right, one can almost make out Allan Weaver, W0PTU, newly elected chapter treasurer. Next is new chapter president, Dick Bird, KOIRS. He's the one with the nice tie. Dick lives in Eaton, Colorado, and always gives his QTH as "The Garden of Eaton." One wonders if he has problems getting answers to CQs with a call like "IRS." The 50-wpm-fisted man with the apparent halo is incoming vice president, Bob Jackson, WB8NPZ. Bob's a recent immigrant from Casper, WY, where he was dubbed "Casper Bob" by the cw addicts on 10,120 MHz. Last, and surely least, is incoming secretary and outgoing president (and admitted contributor of this write-up), Jim Fahnestock, W0OA.

The new officers were installed at the chapter's annual spring/summer business/pleasure luncheon held May 10 at the Ft. Collins Moot House. As usual, eyeballing reigned supreme!

Next on the chapter's activities (four a year) is the summer/fall picnic at the Ft. Collins, CO, City Park. This affair is professionally catered, and usually ends with stuffed members boarding the city's turn-of-the-century streetcar for an open air ride along Mountain Avenue to downtown Ft. Collins.



Chapter members waiting anxiously for Winterfest crowds are Clyde Glass, N0CG; Bob Jackson, WB8NPZ; Don Linthicum, W0AUW; and Jim Fahnestock, W0OA. Computerized banners helped crowds. Lotsa eyeball QSOs.

The North Colorado chapter actually serves three major cities and attempts are made to distribute its quarterly functions among them: Ft. Collins, Greeley and Loveland. Fort Collins, mature readers of the JOURNAL will probably recognize, as the home of WWV. Remember that facility that helped us guesstimate things like band edges? It's still there, pumping out 24-hour a day megawatts. Unfortunately, visitors are no longer allowed. The facility boasts megawatts, but micro people. The staff is too limited, and too busy, to allow escorted tours.

Chapter 143 recently participated in one of the north Colorado area's most popular activities, Winterfest. Planning any Colorado function in mid January is risky, but so far the weatherman has cooperated. The chapter used the occasion to take a booth and promote QCWA and Chapter membership. With a little help from MICROSOFT, banners explained our purpose in being there. We had more pleasant eyeballs per hour than any other occasion. The table was decked with items "CARE packaged" from Jim Walsh at QCWA headquarters, and old (everything's relative!) radio items, books and pictures.

Jim Fahnestock, W0OA — Secretary

Chapter 149, Nutmeg (CT)

The May meeting of Nutmeg Chapter was held on Saturday, May 10, 1997 at the Groton Inn & Suites located in Groton, Ct. President Wayne Shaffer, W3QAN, called the meeting to order with the usual self-introductions by all the attendees and an invocation by Robert York Chapman, W1QV.

Chuck Waibrige, K1IGD, the National Secretary of QCWA and also Secretary/Treasurer of the Yankee Chapter, gave a brief report on the recent Board of Directors' meeting at Eugene, Oregon. An important matter discussed was the need for more members in QCWA. One way which was discussed and under consideration was an Associate Membership. More details will appear in the QCWA Journal.

Secretary, Don Steele, W1NFG referred to the minutes of the previous meeting. They were unanimously accepted, as printed in the "Receiver", the Nutmeg Chapter Newsletter. Don reported that we have recently acquired two new members, Art, K1BVY of Tolland and Rich, K1FPP, of Lyme. Two more are also about to join; Jim' KC1SD and Ed, W1BF, both of our neighboring state of Rhode Island. Don also passed along greetings from life member Mel Peskin, WA1VDI who resides in Boca Raton, FL.

The annual New England Chapter's picnic will be held on July 19, 1997 at Hopkinton State Park, MA, hosted by the Yankee Chapter. The Secretary also presented the treasurer's report which was accepted. Cal Bennett, W1KHL, Activities and Net Manager reported that the next meeting will be held on August 9~ at the 95 Gathering Place in Walingford. Owen Garner, K1AP, our Treasurer for 1996-1997 will be relocating to North Carolina in the near future.

The Nominating Committee, Chairman, M Cohen, W1FXQ, Wayne Shaffer, W3QAN, Charles Griffen, W1GYR and Call Bennett, W1KHL offered the following

slate of officers for 1997-1998: President - Wayne G. Shaffer, W3QAN Vice President - Walter J. Kornacki, W1YOC Secretary - G. Don Steele, W1NFG Treasurer - Walter Yatzook, N1CJB Activities/Net Manager - Cal Bennett, W1KHL Assistant to Activities Manager - Al Cohen, W1FXQ

Since there were no other nominations, it was moved, seconded and voted that the Secretary cast one ballot for the slate as presented. The following QCWA Anniversary Certificates were awarded:

Eugene Dombrowik, W1QJL -50 years
 Ronald Tidmarsh, K1UQV -50 years
 Wayne Shaffer, W3QAN -50 years
 Philip D'Agostino, W1KSC -60 years
 Harry Sussman, K1KQW -60 years
 Harold Chase, W1EES - 65 years
 Woodrow W. Guile, W1EBO -65 years
 Edward F. Nowak, W1FAJ -65 years
 Gerald J. Scarano, W1ZM - 65 years

After dinner, President Wayne introduced Peter Grader, a certified Gemologist, who gave a very interesting and educational talk on diamonds, their origin, mining and processing.

Following the meeting, the door prizes were awarded. The following took glassware home: W1FZQ, W1CL, May Nelson, N1LC, W1QV & W1DCM.

Walt Kornacki, W1YOC - Vice President

Chapter 154, Leo I. Meyerson (CA)

Summer in the Coachella Valley (Palm Springs, Cathedral City, Rancho Mirage, Palm Desert, Bermuda Dunes, Indian Wells, Indio, La Quinta, Salton Sea, Yucca Valley, Desert Hot Springs, Thousand Palms, Landers, etc.) is usually the calm before the storm. By October the naysayers who left because of the heat (a mere 110F on usual days) begin to move in, usually unobtrusively, looking forward to the beginning of "the season". The chapter will not let them down, with programming set to start the second Thursday of the month for the ensuing nine months featuring the luncheon in Desert Hot Springs. President Don Rose, K6KRZ has several prime prospects for the agenda. He makes each luncheon a project. Meantime, Don Doughty, W6EEN, chairman of the National QCWA Convention to be staged by the Chapter in 1998 will have attended the 1997 bash in Kansas City to get a handle on the operation and generally promote goodwill for the 1998 sessions. Doughty also stated that the Chapter 154 annual spring luncheons for 1998 and 1999 have been canceled in order to concentrate on the national convention.

The weekly QCWA net has remained in operation for the summer, getting an average 35 check-ins each week, which has been the average for the past several years. The net serves to let the control know who is available in case of emergency or for the exchange of general ham information.

Sid Rose, W9VKC

Chapter 160, Utah



Golden Certificate recipients attending the dinner meeting. L to R sitting: Alvino Rey, W6UK and Grant Workman, AC7I. L to R standing: Keith Anderson, W7LQU; L.A. Woodward, W7KOP; Herb Wright, W7BE and Robert Bradley, W7LKM. - Photo by Leon Woodward.

On March 23rd, forty-one members and guests made the trip to Mesquite, Nevada for our annual Mesquite Frolic. From early morning until mid afternoon, we had casual get-togethers at the Ball Park Pavilion. KF7YZ Keith Allen and his wife Jeannie provided drinks and snacks for all. We broke up around 3 PM to get ready for the banquet to be held at Carollo's Supper Club. It was most enjoyable. The next morning we met back at Carollo's for breakfast before leaving for home. A good time was had by all.

Our annual dinner meeting was held May 21st in Salt Lake City with 30 members and guests attending and as usual, we had a great time. The pictures of Alvino Rey, W6UK receiving his 75-year plaque, taken two years ago, didn't turn out so we had a reenactment showing "Woody" Woodward, W7KOP presentation. See photo below.



Chapter Reports

Chapter 162, Southeast Wisconsin

The chapter was very fortunate several years ago when a local manufacturer donated a large quantity of his product which, although perfectly usable, did not meet certain specifications. The product was desirable for Amateur use and the chapter sold it at swapfests resulting in a healthy treasury. Member Bill Komistra, W9OVZ took a quantity of the product to the Dayton Hamvention this year and sold it, at a cost to him of time lost from browsing Hamvention vendors but at a great gain to our treasury. The chapter expressed gratitude to Bill at our May meeting. Member Bob Burgermeister, who was WB9IJY, got a new vanity call and is now W9EH.

Our June meeting was our annual "Mosquito Awareness Party" held at the home of President Ken Knoff, N9NBC and wife Marbeth, who is recovering nicely from a broken leg. Fourteen members and guests enjoyed charcoal grilling on grills provided by Ken and tasty side dishes many of which were provided by Marbeth. It was announced that member Bill Komistra, W9OVZ had suffered a mild stroke and was undergoing further testing. Later it was found that he had a partially blocked carotid artery which required surgery for correction. Bill was up and around by Field Day but was not able to take active part although much of the equipment used was provided by him.



Fern W9LCJ and Spence W9LDH watch as Al W9HR makes a few CW contacts and the Ch. 162 Field Day operation (All QRP battery powered).

The chapter took part in the ARRL Field Day with three stations all operated QRP on battery power, set up at Decision Farm, home of member Larry McCalvy, WA9JMO and wife Wendy, N9PAC. While no records were set for number of contacts made, the chapter did prove we could set up and operate under emergency conditions. The members who participated enjoyed the outing and the experience of operating the chapter station KB9LUJ successfully on low power.

Bob, W0WLN

Chapter 165, York County Pennsylvania

As has been the custom for the Summer meeting of The York County Pennsylvania Chapter 165, the June 1997 meeting was the annual family picnic. The meeting was held at The Eastern Hemlock Pavilion in John Rudy County Park. There were 24 members and guests in attendance. The chapter provided the grilled hot dogs and hamburgs and members brought the rest of the goodies. Everyone had a good time and there was plenty to eat.

At the short business meeting plans were laid to set up a booth at The York Hamfest. There will be a display of antique Ham gear and we plan to conduct a recruiting drive for the chapter.

After the business meeting a silent auction of donated good junk box items was held. This has been a feature of our family picnic meetings for three years and is a money maker for the chapter.



In the photo are some of the members in attendance. Left to right in the first row Frank Bair K3GDI, Pete Chantiles N3DVO, Bill Barefoot W3UQJ, Carey Green K3IIB. In the second row left to right Dennis Cooper K3NVI, Bill Steinfeld K3SRP, Tim Burk W43KYD, John Shaffer W3SST, and Ray Shaub W3AXC. Other members present but not in the picture were Lois Mundorf K3UQB, Cecil Mundorf K3DCU and Ed Kirby W3YQJ and a visitor Bill Hurst W3HLD.

The next scheduled meeting of the chapter will be held September 6, 1997 at The Stoneybrook Family Restaurant on East Market St. in York PA.

Ray Shaub, W3AXC Secretary/Treasurer

Chapter 168, Oregon Trail

The Chapter will hold its Fall luncheon/meeting on October 11, 1997. The location will be the J J North's Grand Buffet Restaurant at 10520 NE Halsey St. in Portland. The time is 11:30 AM.

Following the luncheon, a short business meeting will take place. Main item on the agenda will be the annual election of Chapter officers that will serve for 1998 starting Jan. 1. Let's have a great turnout Take part and make your nomination for a worthy candidate to serve the Chapter for the coming year. Our Chapter by-laws state that the elective officers may not serve more than two consecutive terms. Your present President and Sec'y/Treas.

have served five and four years respectively. It is time for a change Please attend if at all possible.

Under good of the order we will have a show and tell. So, bring along something related to our hobby and tell us about it. New or old it makes no difference. Following this session we will hold our regular door prize drawings. Maybe you will be one of our lucky winners.

Since the latest issue of the QCWA Journal we have several new QCWA members in our area. We welcome you to attend and, possibly become Chapter members. All radio amateurs are cordially invited to attend our meetings. Please call me (503) 654 5101 or Chapter Pres. Bill Payne, K7TDO (503) 669 9680 for more info or instructions on how to get there.

Fred Behrman, K7LNS, Secretary/Treasurer

Chapter 169, Sacramento Valley

Our monthly meetings are held on the 2nd Wednesday, of each month, at the Lyons restaurant, located at 1000 Howe Ave, here in Sacramento. Meetings generally get started at 7.30 AM, and end around 9.30 to 10 AM. Usually we have a good breakfast, followed at 8 AM, by our business meeting, after which We have a speaker, and/or program of general interest. The program for the day concludes with a raffle and prizes.

At our April, 1997 meeting, we introduced 2 speakers for the day, namely Vern Wright - W6MMA, along with his able assistant, Jim Gates. Both gentlemen talked about QRP, and gave us an interesting talk about the availability of QRP transceivers, and other QRP rigs.

Our May, 1997 speaker for the day was Bill Petlowany, KV6H Bill gave us a physical demonstration of a 40 meter indoor shortened antenna. This antenna had a 1.5/1 SWR, and was resonant on 7.030 MHz.

For the month of June, 1997, we were rewarded with speaker, Bob Webb and his wife Vi. They gave their interpretation of Mark Twain. Mark Twain was also known as Samuel Langhorne Clemens, a humorist and novelist. Mark was born the son of John Marshall Clemens. from 1839 through 1853, Samuel lived in Hannibal, Missouri, and, at one time was employed as a journeyman printer. The Mark Twain story is long and lasting, and one of great interest.

July of 1997 produced one of our military, none other than Cap' t. Saylor of the US Coast Guard. The Coast Guard is the military or naval patrol of a nation, responsible for the protection of life and property at sea, coastal defense, and enforcement of customs, immigration and navigation laws. Cap' t. Sailor's talk was informative and educational.

We have an interesting speaker each and every month, along with varying degree of attendance - usually in the 25 to 40 range. We try to have at least one or two speakers "in the bank", in the event of a cancellation or possible illness. All radio amateurs are cordially invited to attend our meetings. Please contact our president of Chapter #169, W6RLP, Paul Wolf at (916) 489-8112, or (916)-331-1830 or myself, Bill Hendrick (916) 952-5858 - NS6D.

Bill Hendrick, NS6D - Secretary/Treasurer

Chapter 181, Hudson Valley

The chapter's second meeting of the year took place on July 19. It was attended by 30 members and guests and was held at the Port Chester Coach Diner in their new private room.

A very informative talk was given by Don Messina, KE2JY, a Marine Engineer in the CBS-TV Engineering Department, on the new digital TV system. In a few years our present analog television broadcasting format will be replaced by the new digital standard, requiring the purchase of new receivers to take advantage of the significant improvement in picture and sound quality. Don related how unbelievably good the quality can be with the new system. Many questions were answered in a very lively session.

Don, by the way, is joining QCWA! He was given a Special Appreciation Certificate by President Dick Robinson, W2OZA.

In the "how we became hams" series, Tom Raffaelli, WB2NHC and his XYL, Jeanne, N2NQY presented interesting talks about getting into the hobby. Tom began as a kid, haunting radio stores and service shops, reading many articles in such magazines as Popular Electronics — including an extensive series by author Julian Hirsch, W2KFB — who was seated next to Tom at our luncheon. Finally, Tom discovered ham radio and promptly studied up, learned the code and became a ham. Jeanne became interested after meeting Tom and after a struggle with CW, finally got her ticket when CW was dropped from the Tech requirements. Tom was president of WECA (Westchester Emergency Communications Association) for a number of years and with Jeannie, still organizes the annual WECAFEST.

WECA reached its 25th year of service this year. So, at a little ceremony on the evening of Field Day, QCWA 181 recognized its coming of age by presenting a specially made Honorary Membership Certificate. Listed on the certificate were the 18 hams who are members of both organizations. Dick O'Brien, NJ2J, made the presentation to Joe Brown, President of WECA



Dick Robinson, W2OZA (c) presents Sy Yuter, W2NBT (l) the 55 year Gold Certificate and Century Club Awards and Dave Winter the 65 year Gold Certificate. Photo by NJ2J.

The July 19 meeting was adjourned after a jolly door prize drawing conducted by Harry Moore, W2JQS.

Dick O'Brien, NJ2J - Secretary

Chapter Reports

Chapter 182, Northeast Tennessee

Northeast Tennessee Chapter #182 of QCWA held its second meeting of 1997 on July 19 at Ryan's Family Steak House in Johnson City, TN. There were 14 members and 12 guests present. Twenty-one of the 26 in attendance were licensed amateurs.

President Bill Owen, W4VS, called the meeting to order at 1:00 p.m. and announced that our next meeting will be early in October at the Fish Tales Restaurant in Bristol, VA. Secretary/Treasurer Roy Hill, W4PID, reported that one member who had let his dues lapse had rejoined, and Bob May, K4SE, of Johnson City, had become a new member.

Election of officers for the next two years was held. Vice-President/President-Elect Don Gilbert, WA4EHI, becomes President automatically; and Dillard Graham, WA4NZZ, was elected to replace him as Vice-President/President-Elect. Roy Hill, W4PID, was reelected Secretary/Treasurer. The new officers' terms will begin after our next meeting.

It was reported that our member Sam Sandidge, WD4OMA, is in the ICU at the Johnson City Medical Center. He is suffering from kidney problems and obesity. Everyone was glad to see Bill Drayer, W4VUA, at the meeting. Bill has recently had to have both legs amputated.

The President and W4VUA commented on a planned trip to Middlesboro, KY, on August 7 to see a World-War-2 P-38 airplane that was dug up from under 250 feet of ice and snow in the Arctic and is being restored. The plane was taken to pieces to be hauled to the surface through a hole in the ice 4 feet in diameter. Complete restoration is expected in the next 5 or 6 months. Several members were interested in making the trip.

The program was a travelog on the Southwestern U. S. given by Roy Hill, W4PID.

The meeting was adjourned about 2:15 p.m.

Roy Hill, W4PID, Secretary/Treasurer

Chapter 188, Lost River (OR)

At our regular monthly meeting in July we had 19 members and guests. One guest, W1VDE, Roger, has moved into our area from California and plans to attend our meetings regularly.

Crest Park here in Klamath Falls has been reserved for our annual picnic on the third Saturday of September, Sept. 20 at 1 PM. This is a lovely local park with a covered Picnic area.

There is a new 610 available with space for e-mail address, so many of us may take advantage of this new form.

Still many hamfairs scheduled and flyers are available at each meeting for advance information and registration.

Our next meeting will be August 21 at Mike & Kathy's Restaurant.

Carolyn Brooks, AB7ET, President

Chapter 196, Edison (FL)

The Edison Chapter # 196 met as usual at Perkins on US41 in Ft. Myers at 1130 Hours on the second Tuesday of July. We enjoyed the company of nine members and four guests.

It was our pleasure to welcome Harry Arnold, K9ALX, back from an unscheduled stay in the hospital. Harry says he is feeling much Better now.

The July meeting was the first time that we had an awards ceremony. Jim Hall, W3JI, received his fifty five year amateur radio service certificate While Walter Rollick, W4IGE, received his sixty-year certificate. Congratulations to both of these very fine gentlemen for all of their contributions to the radio art over their illustrious careers!

G.E. Sammons, WA4DQE, informed us that our request for an operational tour of two local crystal manufacturing companies has been declined for insurance reasons. We were disappointed but understand perfectly. G.E., who is our outside activity chairman, has a few more irons in the fire and will advise us in the near future as to when we may tour as a group.

Jim Novak, W9HNI, an old time dx hound, has just got on 2 meters from his condo on Ft. Myers beach and is having a blast. This is the first time in 49- years of hamming that Jim has been on any vhf band.

I have just recently returned from a trip to Germany and was able to operate from several locations as DL/WA8PXL. Prior to going to Germany I made contact with Markus Hammelmann, DL50BZ, at Stuttgart University Station DK0SU on 20 meters. Markus invited me to lunch with him and sure enough we were able to meet in person on several occasions. Well, Markus came to the states to operate a couple of summer contests and lo and behold ended up having brunch with the Chapter # 196 bunch. This brought an International flavor to our meeting and everyone enjoyed him and his traveling partner Michael Haubner. Markus informed us that as K2XS on field day he made nearly 700 cw QRP contacts. He has a few years to go to qualify for QCWA membership but is anxious to become a member because he was very impressed with the goals of our organization, the camaraderie and the goodwill that QCWA offers.

I would like to thank our members for contributing to our treasury again. Donations of cash and postage stamps will keep us in the black and informed of recent activities through news letters.

Tad Burik, WA8PXL, President

*I wouldn't want to live to be 150. . . .
140 would be ok though."
-- Peter Ustinov*



38th ANNUAL **TROPICAL HAMBOREE® & ARRL FLORIDA STATE CONVENTION**



E-MAIL: edg@elink.net

FEBRUARY 7 - 8, 1998

TALK IN: 146.925

DADE COUNTY FAIR & EXPOSITION CENTER

S.W. 112 AVENUE & CORAL WAY (S.W. 24 ST.)

MIAMI, FLORIDA

• Sponsored by Dade Radio Club of Miami, Inc.

ON-SITE EARLY-BIRD EVENTS

FEBRUARY 5 – NOVICE/TECHNICIAN EXAM THEORY REVIEW BY GORDON WEST
WITH LIVE DEMONSTRATIONS AND WORKING EQUIPMENT

9:00 A.M. - 5:00 P.M. (One Hour Lunch Break) \$25.00

FIVE WPM CODE TEST PREPARATION REVIEW – 6 P.M. - 9 P.M. – \$10.00

FEBRUARY 6 – GENERAL TEST CODE AND THEORY REVIEW BY GORDON WEST

9:00 A.M. - 5:00 P.M. (One Hour Lunch Break) \$25.00

These will be Mr. West's only Southeast Coast classes, so sign up now and begin your home-study with ARRL or West materials. Contact Hamboree Chairman for full details.

FEBRUARY 6 – ARRL RF SAFETY WORKSHOP by Ed Hare W1RFI, ARRL Laboratory Supervisor

\$20.00 ARRL Members, \$25.00 Non-Members. Sign up with ARRL Education Dept., 225 Main St. Newington, CT 06111

FEBRUARY 7 - 8

- RFI PRESENTATION • INTRODUCTION TO AMATEUR RADIO DISPLAY • LEGAL & FREQUENCY CHALLENGES
- AMATEUR RADIO FOR THE HANDICAPPED • APRS • VHF TRANSMITTER HUNT • YOUTH FORUM
- PROGRAMS BY AMSAT, ARRL, DXPEDITIONS, AND MORE • COMMERCIAL EXHIBITS • THREE SWAP AREAS
- TWO ON-SITE EXAM SESSIONS • FIELD CHECKING FOR DXCC AND CQ AWARDS • NEW CRAFT SECTION & ALTERNATIVE INTEREST PROGRAMS

**AIR-CONDITIONED FACILITY • ON-SITE CAMPING FOR 300 RVs • FREE PARKING FOR 15,000 VEHICLES
• ATM IN MAIN BUILDING • WHEELCHAIR & STROLLER RENTALS • ADDITIONAL REFRESHMENT AREAS**

Registration: \$5.00 Advance (deadline Feb. 3) – Door: \$7.00

Campsites: 3 days (Fri., Sat., Sun.) \$45.00 • 4 days (Thur., Fri., Sat., Sun.) \$60.00

Swap Tables: \$28.00 each* plus reg. ticket • Power: \$10.00 per user.

(Ticket price includes tax. Camping, tables and power are subject to 6.5% tax.)

HEADQUARTERS HOTELS: (All at same location/facilities & rates to meet your needs)

1201 N.W. LeJuene Road (N.W. 42nd Avenue)

MIAMI AIRPORT MARRIOTT: \$140 single, double - plus tax – Tel: 800-228-9290

COURTYARD AIRPORT SOUTH: \$105 single, double - plus tax – Tel: 800-321-2211

AIRPORT FAIRFIELD INN SOUTH: \$72 single, double - plus tax – Tel: 800-228-2800

Mention "Tropical Hamboree" Cutoff date is January 22, 1998

TICKET, CAMP, TABLE PAYMENTS PAYABLE TO: DADE RADIO CLUB OF MIAMI, INC.

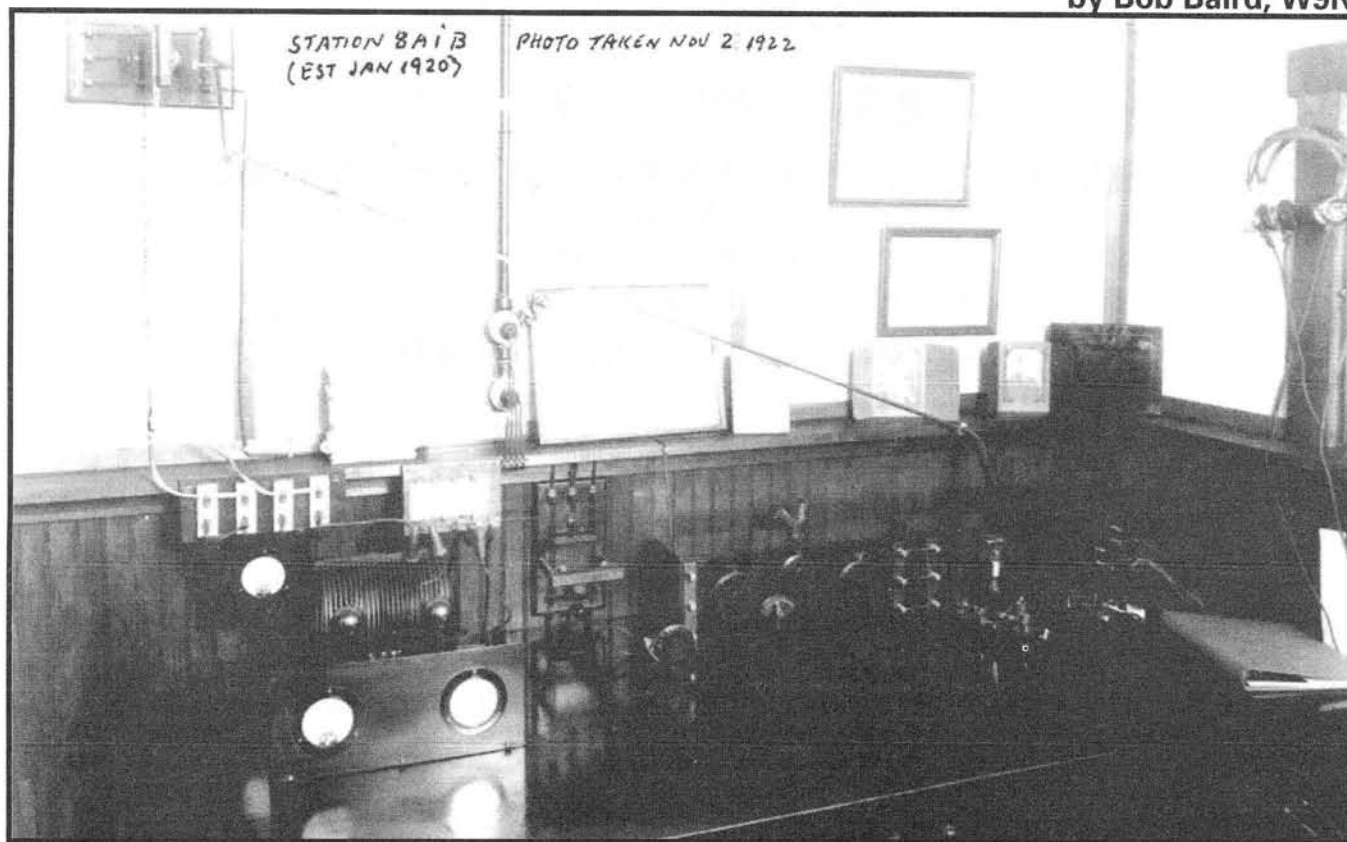
Mail to: Evelyn Gauzens, W4WYR, 2780 N.W. 3 St., Miami, FL 33125-5059

BOOTH & TABLE INQUIRIES: email: edg@elink.net, Tel: 305-642-4139, Fax: 305-642-1648

HOME PAGE: www.hamboree.org

Remember those "Spark Forever" Days?

by Bob Baird, W9NN



This picture was taken November 2, 1922. The station was licensed to 8AIB and was established in January 1920. It was located at 62 Vincent St., Dayton, Ohio and ran 1KW Spark or 100 Watts CW.

You might be interested in this picture taken in the early 1920's of Station 8AIB which operated from a backyard shack (built by 8AIB's grandfather). Licensee was Chas Fertick 8AIB (SK) and Clinton Petry 8AWN (SK), Allen Apple 8CNL (K4ILX) (SK) and Ruben Baird 8CWR (W9NN). On the floor beneath the CW set was the Spark Transmitter consisting of a 40,000 volt "Coffin" transformer, A Benwood rotary gap was tuned by a 1/4 HP motor, and used 40 plate-glass sections immersed in oil for a Condenser. The 2 OT transformers were wound with 2" copper strips. The antenna was 60 feet high with a fan-type feed line coming down at one end. Our ground system was an acre of buried copper ribbon from old Dayton street car field coils. With over 5 amps going up to the antenna, we had a night-time corona effect of 3 feet at the ends.

Our best Spark DX was a United Fruit boat off Brazil in late 1921. The boat used the call of "DZ" and it took until 1952 to confirm this when W9NN worked VPIAA in Belize who told us he was the Operator!

CW used a pair of 50 watt RCA tubes. White board above was criss-crossed with resistance wire to drop filament voltage and a 48 chemical rectifier for plate voltage. Antenna matching was done by adjusting clips on the big inductance coil.

The homemade receiver used 2 Variometers and a vario coupler, 2 filament detector tubes (Audiotron) and 2 VT2 amplifier tubes. Note the long handle antenna change-over arrangement.

A variable condenser on the table was in the receiver line - 110-220 VAC was on the wall and a stack of spark and early CW QSL's. Faded pictures are 8CWR (W9NN), 8AIB and 8CNL Each had his own key and earphones. We were all Members of Dayton's first Wireless Club.

I am the only remaining operator of this group and I would love to hear from any Old-Timers who used to work us back in the old "Spark Forever" days. 73 Bob Baird, W9NN, QCWA Charter Member #52, P.O. Box 498, 234 Park Drive, Plover, WI 54467.

QCWA Welcomes New Members

Date	No.	Name	Call	City	ST	Sponsor
05/19/97	28874	ROGERS, ROBERT R	K8CO	CINCINNATI	OH	
05/19/97	28875	WALTER, WILLIAM C	WA8JPR	STERLING HEIGHTS	MI	
05/20/97	28876	BOWERS, JAMES L	K0DQA	CAPE GIRARDEAU	MO	DAYTON
05/20/97	28877	DUBS, MARTIN	AA0DS	CAPE GIRARDEAU	MO	DAYTON
05/20/97	28878	FRYE, JOHN G	WJOU	SCOTT CITY	MO	DAYTON
05/20/97	28879	LEIBLE, PHILIP J	WOQMF	CAPE GIRARDEAU	MO	DAYTON
05/21/97	28880	BRADLEY, JOHN M	KK5MH	AUSTIN	TX	DAYTON
05/21/97	28881	CARDONA, ERNESTO J	KP4AWI	SAN JUAN	PR	DAYTON
05/21/97	28882	DEEKE, VON C	WB9KDY	FAIRVIEW HEIGHTS	IL	DAYTON
05/21/97	28883	HINGTGEN, DAN N	W0ZG	CEDAR RAPIDS	IA	DAYTON
05/21/97	28884	LEITCH, TERRANCE M	KA4KTU	NEW LONDON	NC	DAYTON
05/21/97	28885	MYERS, CURTIS W	WA2JS6	CARNEYS POINT	NJ	DAYTON
05/21/97	28886	PUTMAN, STEVEN O	N8ZR	HAZELWOOD	MO	DAYTON
05/21/97	28887	SCHUYLER, PETER H	WD9ISG	LAKE ZURICH	IL	DAYTON
05/22/97	28888	ARZADON, RICK	WA8RXI	TAYLOR	MI	DAYTON
05/22/97	28889	BARNETT, DONALD R	W8HHK	LEWIS CENTER	OH	DAYTON
05/22/97	28890	BOECKENHAUPT, WILLIAM F	AK0A	OVERLAND PARK	KS	DAYTON
05/22/97	28891	BRINER, EDWARD R	WA3TV6	ACME	PA	DAYTON
05/22/97	28892	COX, BILLY W JR	AA4NU	MURFREESBORO	TN	DAYTON
05/22/97	28893	DELP, EDWARD J III	N9YTE	WEST LAFAYETTE	IN	DAYTON
05/22/97	28894	DUFFY, TIM	K3LR	W MIDDLESEX	PA	DAYTON
05/22/97	28895	GREEN, JOHN H	KX4P	CHARLOTTESVILLE	VA	DAYTON
05/22/97	28896	HASTINGS, CHARLES M	W3PJ	ANNAPOLIS	MD	DAYTON
05/22/97	28897	LEU, THOMAS W	W8BWC	WESTLAKE	OH	DAYTON
05/22/97	28898	LONGDEN, GEORGE	G3ZQS	DARWEN, ENGLAND		DAYTON
05/22/97	28899	LOUGHMILLER, DOUGLAS A	W5DAL	DALLAS	TX	DAYTON
05/22/97	28900	MARTIN, RICHARD C	WA8GPC	COLUMBUS	OH	DAYTON
05/22/97	28901	MORNAR, JIM	AA9TK	ORCHARD OAK	IL	DAYTON
05/22/97	28902	MUSICK, MARK E	WB9CIF	PLAINFIELD	IN	DAYTON
05/22/97	28903	OWENS, ROBERT C	K8QMT	DAYTON	OH	DAYTON
05/23/97	28904	PERKINS, WILLIAM W	KC4D	LYNCHBURG	VA	DAYTON
05/23/97	28905	PILZ, GILBERT W	K9IQP	LIBERTYVILLE	IL	DAYTON
05/23/97	28906	SCHMID, GEORGE	JY9QJ	AMMAN, JORDAN		DAYTON
05/23/97	28907	SEEDMAN, MICHAEL	AA8DY	HIGHLAND PARK	IL	DAYTON
05/23/97	28908	SHULMAN, MARTIN L	W1MS	CHAGRIN FALLS	OH	DAYTON
05/23/97	28909	THOMPSON, BOB	N8AJP	TOLEDO	OH	DAYTON
05/23/97	28910	UTESCH, THOMAS R	WB2VSL	CLINTON	NY	DAYTON
05/23/97	28911	YERIGAN, JACK	K8SW	FAIRFIELD	OH	DAYTON
05/23/97	28912	MILLER, BARBARA A	WB8EVJ	PHOENIX	AZ	-
05/27/97	28913	SHARP, JAMES T	W5AP	COLLEYVILLE	TX	BILL SHARP, W8HI
05/27/97	28914	BUFFLER, CHARLES R	WORCQ	MARLBOROUGH	NH	CHARLES FANCHER, W5TTF
05/27/97	28915	ERICSON, G DEAN	WA8RQM	ATLANTA	GA	
05/27/97	28916	SMITH, LOUIS W	KA5IVA	TULSA	OK	
05/28/97	28917	DENISON, HAROLD G	W7LUK	ROSWELL	NM	ALFRED H WILBUR, KA1CXE
05/28/97	28918	PERKINS, RAYMOND M JR	W5VPU	OKLAHOMA CITY	OK	GENE NAILON, K5DLE
06/02/97	28919	WEAR, GEORGE J	W6RFL	MARIPOSA	CA	ROBERT W TAUXE, W6JTA
06/02/97	28920	BROWN, WILLIAM R	KK2G	ST LOUIS	MO	JOHN EDEL, K8LBZ
06/02/97	28921	FISK, GEORGE A	K6TAM	APTOS	CA	DAVID K BRADLEY, W6CUB
06/02/97	28922	HALEY, THOMAS A	W6LRS	MADERA	CA	ROBERT TAUXE, W6JTA
06/02/97	28923	HUSTON, MARG	VE3AIZ	HAWKESTONE	ON	RAY HUNTER, VE3UR
06/03/97	28924	SIMMONS, KENNITH R	KK5RH	AUSTIN	TX	HAL HENEGAR, W5MDL

New Members

06/03/97 28925	DREWS, HUBERT	DL7DH	BERLIN, GERMANY		A LEINEMANN, DL9AR
06/04/97 28926	ZANDI, WALTER W	K1WZ	SUGAR HILL	NH	
06/05/97 28927	HARRIS, CHARLES L	KC5MDF	DALLAS	TX	
06/06/97 28928	EARNEST, RON	WB9DAF	CHOCTAW	OK	JOHN N MATHIS, K5CBP
06/06/97 28929	HOWARD, LOU	W4DPZ	STONE MOUNTAIN	GA	J B HILL, W5HX
06/06/97 28930	PERRINS, KEN	VE3DWR	NEPEAN	ON	G KEITH BEDAL, VE3GFI
06/06/97 28931	POWELL, JOAN CLAUDETTE	VE3ZC	NEPEAN	ON	G KEITH BEDAL, VE3GFI
06/09/97 28932	MACDONALD, DONALD C	JRK2GKK	OKLAHOMA CITY	OK	ARLINGTON TX
06/09/97 28933	MACDONALD, JUDITH L	KA5BJS	OKLAHOMA CITY	OK	ARLINGTON TX
06/09/97 28934	STAMBAUGH, LEO	KA5ALM	DALLAS	TX	ARLINGTON TX
06/09/97 28935	BRATTON, TIMOTHY L	K5RA	PARKER	TX	ARLINGTON TX
06/09/97 28936	PLUMMER, GARY L	W8SV	WEST PORTSMOUTH	OH	
06/10/97 28937	CHRISTENSEN, LARRY L	KB2EE	HENRIETTA	NY	F V ADSIT, NY2V
06/11/97 28938	CHAP, BERNIE	WB0EYT	BELLEVUE	NE	
06/12/97 28939	DONOHUE, THOMAS	W1QU	ELLSWORTH	ME	PHILIP YOUNG, W1JTH
06/12/97 28940	SEYFARTH, ROBERT C	N2LEC	SOMERVILLE	NJ	RAY BILGER, W3TDF
06/12/97 28941	ZAJDEL, THOMAS A	WG8C	SHARONVILLE	OH	MITCH MITCHELL, W4OA
06/13/97 28942	FATH, KENNETH R	N4KF	GRAHAM	NC	
06/13/97 28943	KREY, TERRY F	N5TKR	AUSTIN	TX	HAL HENEGAR, W5MDL
06/16/97 28944	ELLSWORTH, HUGH	KB7LJV	MILWAUKIE	OR	H LEA T BALL, AL7W
06/16/97 28945	MAC DONALD, BOB	K7XI	MEDFORD	OR	SEASIDE
06/16/97 28946	MASON, FRED L	K7OVN	ROCHESTER	WA	SEASIDE
06/16/97 28947	O'BOYLE, JOSEPH F	KA7GCB	KELSO	WA	SEASIDE
06/16/97 28948	CLOYD, RICHARD V	W06P	SHINGLETOWN	CA	SEASIDE
06/16/97 28949	CLULOW, EDGAR A	N7TL	PORTLAND	OR	SEASIDE
06/16/97 28950	DOUST, GEORGE W	K7ENG	PORTLAND	OR	SEASIDE
06/16/97 28951	FRAUSE, NORM	K7PVV	REDMOND	WA	SEASIDE
06/16/97 28952	GATES, LEONARD E	W7CCV	THE DALLES	OR	SEASIDE
06/16/97 28953	ROTH, PAUL GEORGE	N7DOH	NEWCASTLE	WA	SEASIDE
06/16/97 28954	SAMUEL, CHUCK	K7NWM	KELSO	WA	SEASIDE
06/17/97 28955	CRAWFORD, DENNIS A	NOUYN	KANSAS CITY	MO	BILL MC GRANAHAAN, KOORB
06/17/97 28956	IRONS, RALPH L	K7RI	CHARLOTTESVILLE	VA	HENRY G ELWELL JR, N4UH
06/17/97 28957	BECKEY, ROBERT D	WB3ETA	TOWSON	MD	
06/17/97 28958	GREEN, REX	K70LJ	BOISE	ID	SEASIDE
06/18/97 28959	GRUENBERGER, RUDOLF O	DF2QR	MUNSTER, GERMANY		LUDWIG GRUENBERGER, DL6KQ
06/18/97 28960	RIBEIRO, ANTHONY M	K2HHE	SUN LAKES	AZ	
06/19/97 28961	CUMMINS, PATRICK S	KM5JC	RIDGELAND	MS	
06/23/97 28962	TAKLE, CARL E	WB5VG1	PLANO	TX	
06/25/97 28963	RICHARDS, F H	VE3FYR	OAKVILLE	ON	H J BRAUN, VE3DWH
06/26/97 28964	MERGEN, JOHN-FRANCIS	WA1QLG	BALTIMORE	MD	HUGH TURNBULL, W3ABC
06/26/97 28965	POE, J W	WA0WIW	JACKSON	MO	
06/26/97 28966	SIDES, STANLEY D	KOQMV	CAPE GIRARDEAU	MO	
06/30/97 28967	LEWIS, GREGORY J	W0BTW	VALLEY CITY	ND	LARRY OAKLEY, W7AB
07/02/97 28968	DOSS, TONY	W1EWC	LAS VEGAS	NV	
07/02/97 28969	FORD, WARREN C	KB4MC	LITHONIA	GA	JOHN HILL, W5HX
07/02/97 28970	RODRIGUEZ, FRANK	KC0HC	ATLANTA	GA	DOUGLAS FOOS, KT4XF
07/03/97 28971	GOEWY, ANDREW BELL	KA5SNA	AUSTIN	TX	HAL HENEGAR, W5MDL
07/03/97 28972	HEBERT, CLAUDE JR	K5JTO	NEW IBERIA	LA	HENRI P LA SALLE, KF5EA
07/07/97 28973	BOTTOMLEY, ALAN J	WA7TSK	VANCOUVER	WA	JAMES H BOTTOMLEY, W7TG
07/07/97 28974	SMALL, CHARLES T	W5SLI	BEAUMONT	TX	GLENN B HAINES, W5VEI
07/08/97 28975	BURKE, WILLIAM T	W1LDG	NEEDHAM	MA	
07/11/97 28976	BRINK, GIL O	WB2IKM	EAST AMHERST	NY	
07/11/97 28977	HESS, MARVIN	W2WKU	ELMA	NY	
07/14/97 28978	TILLITSON, DONALD L	WB8NUS	LANSING	MI	JOHN E HEWITT, K8DHN
07/14/97 28979	KAPLAN, KENNETH W	WB2ART	SAYVILLE	NY	
07/14/97 28980	MARTIN, WILLIAM B	N7EU	BOTHELL	WA	JOHN W RICH, W7RS

New Members

07/14/97 28981	APPEL, IRVING M	K5PIA	OKLAHOMA CIYT	OK	JIM SPECK, W5AI
07/16/97 28982	HOPKINS, BILL	WJ2L	NASHVILLE	TN	
07/16/97 28983	KOHTEN, ANTON	DK5JA	KEMPEN GE		TAD BURIK, WA8PXL
07/16/97 28984	SUTPHIN, MICHEAL A	W7DH	MESA	AZ	
07/16/97 28985	GALAMBOS, LOUIS G	W8VQK	OREGON	OH	ALBERT F RADOLEC, KC8MC
07/17/97 28986	SCOTT, KENNETH D	WBOKUU	SUNSET HILLS	MO	CARL E WIDELL, KDOI
07/17/97 28987	GREEN, ZEKE	WB5CVR	SHERMAN	TX	MORRIS GUZICK, W5IO
07/18/97 28988	HALLBERG, CHESTER G	KOTCB	PRAIRIE VILLAGE	KS	BILL MC GRANNAHAN, KOORB
07/21/97 28989	GOOCH, DEWITT R V	W4JIK	ELIZABETH CITY	NC	JOHN G TROSTER, W6ISQ
07/21/97 28990	KNUDSEN, GEORGE C	W5LSD	FLAT ROCK	NC	H C KNIEF, W2YTO
07/21/97 28991	ORTIZ, DIANE	K2DO	BELLPORT	NY	HERMAN MILATZ, W2TLC
07/22/97 28992	LONKERD, WILLIAM E	K5DHA	EL RENO	OK	GENE NAILON, K5DLE
07/24/97 28993	PULLIAM, HUGH	K4CTE	FT MYERS	FL	TAD BURIK, WA8PXL
07/25/97 28994	BADDLEY, BENNY H	W4FQT	OAKTON	VA	RAY C JOHNSON, K5RJ
07/28/97 28995	CRAWFORD, ROBERT L	W0GI	LA MESA	CA	
07/28/97 28996	COOLEY, MYRON BURL	KC7GTR	CRESWELL	OR	
07/28/97 28997	BECKEY, SAMUEL SCOTT	KF6JBZ	LA JOLLA	CA	R D BECKEY, WB3ETA
07/28/97 28998	IVEY, ROBERT M	KE4YQR	JACKSONVILLE	FL	JOHN P SILSBY, K4YTB
07/29/97 28999	HARKER, ROBERT JAMES	KC9UU	TERRE HAUTE	IN	
07/29/97 29000	ZITNICK, STANLEY	K6CPA	FLAT ROCK	NC	H C KNIEF, W2YTO
07/30/97 29001	ANDERSON, LEROY	WN6M	CARLSBAD	CA	LELAND SMITH, W5KL
07/31/97 29002	BINKLEY, SAM F	KL7V	OKLAHOMA CITY	OK	GENE , K5DLE
07/31/97 29003	FORREST, LEE JR	W5HLZ	OKLAHOMA CITY	OK	JAY INGRAM, W5QVS
07/31/97 29004	MINTON, RONALD A	WJ5Y	WALTERS	OK	FRANK PHILLIPS, WB5J
07/31/97 29005	VINCENT, MAC D JR	WA5RAS	RUSH SPRINGS	OK	FRANK PHILLIPS, AB5J
08/01/97 29006	GREENWOOD, DON	KC8GZ	SPIRO	OK	GENE NAILON, K5DLE
08/04/97 29007	CHAMBERLIN, HAROLD A	W1PFX	BELMONT	MA	
08/04/97 29008	MIDDLETON, LEO C	N7WFW	PHOENIX	AZ	
08/04/97 29009	QUIAT, MARSHALL	AGOX	WAYNESVILLE	NC	HARRY MILLS, K4HU
08/08/97 29011	BONTE, ARTHUR	W2ZYC	PAWLING	NY	FRANK LAURI, KD2IX
08/08/97 29012	DENTON, WILLIAM A	N1WD	PALMDALE	CA	
08/08/97 29013	NUTTER, FIELDEN B JR	WB8PAG	KITTY HAWK	NC	
08/11/97 29014	WOLF, EARNEST G	K5YKD	OKLAHOMA CITY	OK	GENE NAILON, K5DLE
08/11/97 29015	HIBBARD, WILLARD F II	K8AXV	BATTLE CREEK	MI	JOE BOYLES, W4GHR
08/14/97 29016	BEAVER, ROBERT A	WA1QCB	WRENTHAM	MA	GLADYS CHASE, W1VPF
08/14/97 29017	RUSSELL, LAURENCE G	K5ZCJ	BROKEN ARROW	OK	GENE NAILON, K5DLE
08/14/97 29018	DE MADDALENA, KARL A	HB9QA	SWITZERLAND		WERNER LEMBCKE, DL1ZC
08/14/97 29019	WERRY, HERBERT	DJ3OE	ESCHWEILER, GERMANY		WERNER LEMBCKE, DL1ZC
08/14/97 29020	GEISSLER, REINHARD G	DL1UF	SCHMIEDEBERG, GERMANY		WERNER LEMBCKE, DL1ZC
08/14/97 29021	ABARBANELL, ERAN	4X1MO	ISRAEL		WERNER LEMBCKE, DL1ZC
08/14/97 29022	SCHOENING, WERNER	DL1YB	FEUCHTWANGEN, GERMANY		WERNER LEMBCKE, DL1ZC
08/14/97 29023	TETSCHLAG, PETE	DL7VEO	BERLIN, GERMANY		WERNER LEMBCKE, DL1ZC
08/18/97 29024	BEASLEY, JOHN W	WA0STX	ST LOUIS	MO	JOHN DAVISON, WOZFN
08/18/97 29025	MANNING, JOHN	KN4AO	SUN CITY CENTER	FL	M LORRAINE WITKOWSKI, WA1EDR
08/18/97 29026	MESSINA, DONALD A	K32JY	VALLEY COTTAGE	NY	RICHARD O'BRIEN, NJ2J
08/18/97 29027	RODERICK, RICK	K5UR	CABOT	AR	
08/18/97 29028	ROSMORE, MICHAEL B	N8STA	CULVER CITY	CA	
08/18/97 29029	LOCHOWITZ, RICHARD T	WA9NOU	GREEN BAY	WI	
08/19/97 29030	MATOS, FRED	W3ICM	ANNAPOLIS	MD	DAYTON
08/20/97 29031	CARPENTER, VICTOR	K9VC	SAN MATEO	CA	
08/21/97 29032	EBERSOHL, DENNIS R	KA9IVC	MURPHYSBORO	IL	
08/21/97 29033	VANDIVORT, MARTHA	N0XBW	CAPE GIRARDEAU	MO	
08/25/97 29034	DUDLEY, JAMES RILEY	K4ORD	UNION HALL	VA	LELAND W SMITH JR, W4YE
08/25/97 29035	DAHLIN, HARRY C	WA8UQX	FREDERICK	MD	
08/25/97 29036	GOFF, JOHN R	WB5AZP	BRANSON	MO	JOHN DAEBELLIENN, KC9YQ
08/25/97 29037	GORRELL, JERRY	WOCLR	BELTON	MO	BILL MC GRANNAHAN, KOORB
08/25/97 29038	MC NANNY, WILLIAM E	VE3MIQ	STONEY CREEK	ON	

Why Code?

One of the issues confronting the radio amateur community is the question whether to retain an international Morse code (CW) requirement on radio frequencies below 30 MHz. Various position papers prepared by the Quarter Century Wireless Association (QCWA), the Amateur Radio Relay League (ARRL), the Radio Amateur Satellite Corporation (AMSAT-NA), the Radio Amateurs of Canada (RAC), the Radio Society of Great Britain (RSGB), and the International Radio Amateur Committee (IARC) have outlined their views on this important subject. Surveys, including the use of CW, have been taken by the ARRL and RSGB. The ARRL results were published in the February 1997 issue of QST.

The background on this issue is that a New Zealand amateur radio group prepared a position paper that an international requirement was not necessary. This group solicited the support of the New Zealand delegation to the 1993 WARC to advance the concept that the international requirement for CW be eliminated from the International Radio Regulations. The 1993 WARC, after discussion, decided this proposal was not on the approved agenda for its meeting. The WARC did agree to have it placed on the tentative agenda for the World Radiocommunication Conference (WRC-99). However not only is the code issue to be discussed and decided, but the entire International Radio Regulations, relating to amateur radio, will be open to discussion and possible change. This significantly "opens the door" for all kinds of changes to the amateur rules.

It is against this background that the ARRL and the IARC have created committees to examine the issues and to try and develop a coordinated amateur radio viewpoint. One of the issues is the question of the retention of the international requirement for Morse code. So, why should there be an international requirement? In my view, there is still a pertinent need for Morse code. When radio was first used, one of the major, if not primary needs was for safety of life at sea. The sinking of the Titanic in 1912 was the dramatic case where need for improved safety was highlighted. The use of CW and "Q" signals has been the universal language for radio operators to converse and request help. All kinds of important information can be sent among those who can not speak the same language. Additionally, in other emergencies or unusual situations, Morse code can be used, over short ranges by flashing light, sunlight reflecting off a mirror, honking horns or blowing whistles. It can be used by blinking ones eyes or hand pressure on a friend, provided the other person could read the code. The radio amateur has made "public service" as

- by Charles Dorian, W3JPT

one of the primary reason for its existence and the need for internationally allocated radio frequencies. Various books, handbooks, licensing manuals have stressed repeatedly this "public service". This need for public service continues today. Whether it is an earthquake in Turkey, Mexico or the USA, or flooding in Europe or the Mississippi River basin, forest fires, or major plane disasters, there is a need for amateur radio operators.

Within a country, the language of operation is usually that of the country. But if international operations are involved, for example, within the Americas or from the Americas to Asia, it is not always possible to have English as the common language. Many times there is a need to converse when neither radio operator can speak the language of the other operator. It is at this time that the use of Morse code and "Q" signals can traverse the language barrier and get the message across. Although, these situations are limited, there is a requirement for a common means for emergency and safety communication.

Once having agreed that there is a common need, the question then arises as to the mode of operation. There is no question that a CW transmitter and associated receiver are the simplest pieces of equipment to have. The ARRL was instrumental in developing simple CW equipment that was provided to the third world countries to encourage amateur radio operations. Distribution of these radio kits occurred over a number of years.

In conclusion, there is still a need to retain the requirement in the International Radio Regulations for radio amateurs to have a common and universal understanding of Morse code for "public service" communications - especially for emergency and safety situations.

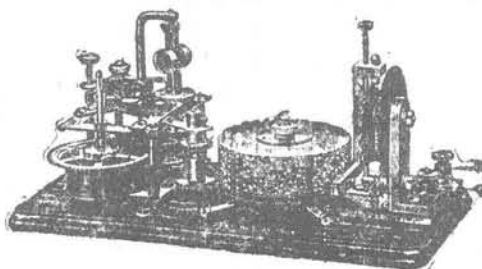
Old ad from my collection. - Ed.

LEARN THE CODE AT HOME

"Just Listen - The Omnigraph will do the teaching"

with the

OMNIGRAPH



THE OMNIGRAPH Automatic Transmitter will teach you both the Wireless and Morse Codes—**right in your own home**—quickly, easily and inexpensively. Connected with Buzzer, Buzzer and Phone or to Sounder, it will send you unlimited messages, at any speed, from 5 to 50 words a minute.

—in fact, the Dept. of Commerce uses the OMNIGRAPH to test all applicants applying for a Radio license. The OMNIGRAPH has been successfully adopted by the leading Universities, Colleges and Radio Schools.

Send for FREE Catalog describing three models, \$14 to \$30. **DO IT TODAY.**

The Omnigraph Mfg. Co., 20 Hudson St., New York City

If you own a Radio Phone set and don't know the code—you are missing most of the fun

MORSE MADNESS

by Peter Lumb G3IRM

Have you ever heard of morse madness? You haven't, so let me explain.

In 1940 I was an orderly at nr.6 aircrew medical board at a seaside town on the west coast of England. We were a funny lot there. Being a seaside town anyone with entertainment experience who arrived there was singled out as potential permanent staff - permanent that is - as any job in the forces can be. I met most of the big names in entertainment who were given clerical jobs in order to keep them around for the many theatres in the town. The organists at the two large ballrooms became permanent staff and continued to play as before except that they were in uniform. Another of those who was also a very good artist found a job as a cartoonist on one of the big London newspapers. He also got the job of making signs for the various offices in the hotel we had taken over for the board, and for station headquarters in a hotel next door. To make use of his talent the chief medical officer had the RAF crest painted to go behind his desk except that the motto underneath was changed from the correct one - "Per ardua ad astra" to "Per rectum ad astra". If your Latin is up to it you can work out the true meaning!

At the time the RAF was looking for wireless operators/air gunners and potential recruits were sent to us for selection. Some were keen on the idea but others were not as they probably already realized that an air gunner's job was one of the riskiest trades in the service. Inevitably we had a few who preferred a less risky trade and were prepared to find a way out. After the medical, those who passed were sent for their first attempts at learning morse code. Some, however, tried to avoid even that thinking that the sooner they got off the course the better.

The medical examination included, as one would expect, a hearing test. After an ear examination by the medical officer a very simple test was carried out but it was effective. The orderly closed one of the candidate's ears while the officer shouted a short sentence. This was repeated for the other ear. The candidate had to repeat back what he heard. As a rule he was successful not having realized what was going to happen next. Another sentence was then used but spoken at normal volume. Sometimes this was also successful though some showed signs of getting one word incorrectly. The third sentence was quieter and the suspicious (to us) candidates often pretended not to hear this or perhaps, hear just a little. The final sentence (spoken very quietly) was probably the most obscene sentence ever uttered in the English language. The expression on the airman's face told us whether or not he had heard what was said. He just could not believe that an RAF medical officer could say such a sentence and he showed it. Only the genuine partially deaf failed to flinch. Many fakers were caught out this way and, when threatened with disciplinary action, admitted what they trying to do. Remember they were raw recruits and were probably not sure what disciplinary action may be taken.

After their brush with the medical profession the recruits were sent to start on their morse training. Some genuinely could not get the idea at all and were sent off to other stations to train for other trades. I'm not sure but I think the passing speed was about ten words per minute after which higher speed training continued at a different station.

Once enrolled in the morse course the the potential avoiders devised new ways to get out of their assignment. No doubt some of those who could not learn deliberately did not try. After a while a few started coming back to the medical board with their complaints. They had headaches, insomnia, bed-wetting and various other complaints which they thought they could attribute to learning morse code. We had one who was so upset that he appeared to be going mad. As soon as he entered the room he would walk around pretending he was a spider and was making a web in which he eventually became trapped. There must be something psychological in that. He claimed he had never had that feeling until he started learning morse code. Several claimed they were hearing code in their sleep and they were receiving morse messages telling them all sorts of things, even to go out and jump off the end of the pier. As a result they felt they should be taken off the course. To give the service its due everyone was sent to a specialist medical officer before they were either taken off the course or were found to be malingering. Those who were malingering soon found out what disciplinary action was.

We had one who just could not read figures. Nearly all messages used in the RAF in those days were coded into groups and some, such as meteorological messages, consisted entirely of five figure groups. One of the recruits became a complete wreck trying to master the figure groups and attempts to teach him were finally abandoned. He just could not manage more than four elements - anything over this consisting of numbers and punctuation marks was completely beyond him. I think he really did want to be aircrew but just could not make it.

The strangest one I came across and one which I remember vividly was the recruit who read everything incorrectly. Many did this to some degree but this one was unique. He changed all dots to dashes and all dashes to dots. What is more he did it almost perfectly and could do it at a reasonable speed. I feel sure he must have been practising this peculiar code before he came into the forces - if not, he must have had an inverted brain or something. If he was sent the letter R he read it as a K, an A became an N and so on. It was decided that a long test should be carried out to try to find out why he did this and the psychiatrist was called in. He continued to read the code almost perfectly in his own way missing letters such as H and Z. His equivalent just did not exist in the code and he complained that the sender had made mistakes. No amount of training could correct him and he was finally posted away to see what a mess he could make of another trade.

GOLDEN ANNIVERSARY

QCWA Celebrates Fifty Years

by Wes Randles, W4COW
QCWA Historian

Robert E. Baird, W9NN Charter Member #52.

As we continue the celebration of our 50th year QCWA spotlights W9NN, Robert Baird with a few of his recollections.

Bob was born in Dayton, Ohio February 18, 1906. Bob was 13 years old and in either the 7th or 8th grade, it was late 1919, when he and a friend got hold of a 'William B. Duck' catalogue. After reading it they each took a doorbell buzzer, attached a piece of wire threw the end of the wire out the window and with a crystal detector they were able to talk across the street. Bob was a Boy Scout and he learned the code. While listening they heard the fellows using letters so they picked letters and proceeded to have a ball. Someone told him they called that "Bootlegging". His mother told him that was wrong.

Bob had to wait awhile to take the test as the Radio Inspector had to come out from Detroit on one of his trips to that area. It was 1920 when he finally took the test and received the call 8BTI. As with all calls of that time this was a one year conditional license. Typical of any young teenager Bob forgot to renew his license and after taking the test again he received the call 8CWR.

Bob went to Roosevelt High School in Dayton, named after Teddy Roosevelt. Along with several of his friends the High School years were filled with many amateur radio activities. Pooling their wireless parts, they built a Spark Transmitter, consisting of a Bentwood rotary spark gap, a 40,000 volt transformer and other pieces of equipment (Bob says its a wonder they 't kill themselves). Using this equipment he became a member of the Transcons for Traffic net.

For picture and description of this station see accompanying article (*Remember those "Spark Forever" Days?* on page 42. 8AIB's grandfather built the shack that housed this station. Take particular notice of their best Spark DX. When Bob worked VP1AA in 1952 and confirmed the DX, he asked for a card but before it could be sent VP1AA became a Silent Key.

Bob attended the 1923 ARRL 2nd National Convention in Chicago with 8AIB and 8AWN. Three yokels from Dayton who had never been out of Dayton at that time.

While still in High School Bob was appointed

ARRL City Manager of Dayton. The job was to collect the number of messages handled that month and send them in to Headquarters. He says that w~ a Big ego trip for a High School Kid!

In 1924 Bob won the Ohio State High School competition for High and Fancy diving. He also had many girl friends in high school. He is still very active in Amateur Radio and I have met several of his girlfriends and I have pictures of others but I don't think he is doing much diving these days.

After graduation in 1924 Bob's parents wanted him to go to Ohio State but typical of a brand new teenage high school graduate Bob told them it wasn't necessary as he knew everything to know already!

Bob moved to Chicago in 1927 and that's when he got 9NN. He went to work for WGN in 1935 where he spent 36 years as Engineering Supervisor. He did every show they had The Cubs, the Bears, dance remotes, even Little Orphan Annie and Captain Midnight. The man who hired him was an old Spark pal from Cincinnati Carl Meyers, 8BSH who ended up as Director of Engineering for all of the Tribune Stations. Carl is now a Silent Key.

Of course Bob worked many hams from the New York area and one of them told him about a Club of Old Timers they were going to start and asked him if he would like to join. This ham was none other than John DiBlasi, W2FX and the Club of Old Timers was what later became QCWA. He told his pal Myron Earl about the Club and the two of them sent in their two bucks. They were the only two members from the Mid-West. Myron was W9WNF, originally 9CCM. During World War 2 Myron left WGN and went to work for Press Wireless and he put up the first radio contact with the USA from Omaha Beach, D Day plus two.

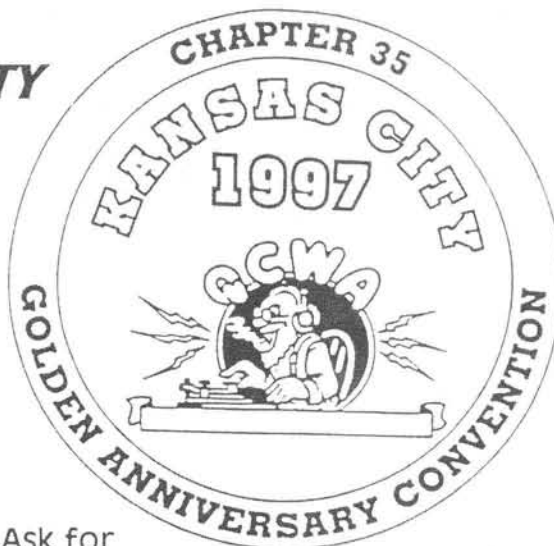
In spite of his many activities at WGN and in Amateur Radio Bob and his late wife Lorraine spent many active, happy years together. Bob retired from WGN in 1971 and moved to Plover, WI. where he still spends most of his time. For many years he spent part of his winters at Cocoa Beach, FL where from his deck he could watch any and all of the launches from Cape Canaveral.

Bob is currently a member of QCWA Wisconsin Chapters #55 and #174. He wishes to be remembered to all his many friends in QCWA.

HAPPY BIRTHDAY QCWA !

**KANSAS CITY IS HAVING A PARTY
AND YOU'RE ALL INVITED.**

10 - 12 OCTOBER 1997
The Crowne Plaza Hotel
4445 Main Street
Kansas City, Missouri 64111



Hosted by the Mid-Continent Chapter 35

Call 800-227-6963 or 816-531-3000 in Kansas City. Ask for special convention rate of \$91. The cut-off date is 17 Sept. Act soon as we have only 150 rooms guaranteed. Additional days available at the same rate. South West Airlines and Avis have special rates for us.

Name _____ Call _____ QCWA No. _____
Spouse/Guest _____ Call _____
Address _____
City/Town _____ Prov/State _____ Code/Zip _____
Telephone _____ FAX _____ Email address _____

REGISTRATION	Number	Amount
Amateur Registrant	_____ @ 12.00	_____
There is no charge for spouse or guest.		
Registration is necessary to be eligible for ham radio prizes.		
(Note: One must pre-register before 17 September to attend functions below)		
Saturday Buffet Breakfast	_____ @ \$12.50	_____
Saturday Evening Banquet (Prime Rib)	_____ @ \$28.00	_____
(Turkey Dinner)	_____ @ \$25.00	_____
Friday - Steamboat Arabia, Market Tour, Lunch	_____ @ \$38.00	_____
Saturday - IMAX, Yummy Lunch, Truman Tour	_____ @ \$44.00	_____
Sunday - Breakfast at Station Casino	_____ @ \$24.00	_____

TOTAL _____

Send payment to:
Bill Cramer, WØZL
6800 Woodson
Overland Park,
Kansas, 66204

Chairman: Larry Staples, WØAIB - lsstaples@aol.com
Phone and FAX: 913-341-3068
Co-Chairman: Bill McGrannahan, KØORB - billmcg@qnl.com
Phone: 816-561-0730 FAX: 816-753-7100
Chapter 35 Email Address is QCWA35@aol.com



It has been 50 years since six good friends gathered in New York City to form what would become the Quarter Century Wireless Association. Now we have over 10,000 members who are scattered from Zimbabwe to Australia! 187 chapters have been formed, including four in Canada and one each in Austria and Germany.

Those of you who were here for the 1990 International Convention know what a great fun city we have! First, we are not away out on the prairie, but in gentle hill country covered with trees which, in October, rivals New England for color. It is a long ride from here to the OK Corral - still, we are proud of our western heritage.

Entertainment and cultural activities range from the serenity of absorbing the superb collections of the Nelson-Atkins Museum of Art to the open air theaters and music shows of prominent performers; from the splashing of waves at Oceans of Fun; from the beat of the country's best jazz musicians to the bounce of a surry ride through the romantic ambiance of the nationally famous Country Club Plaza at night; from the blue ribbon livestock at the American Royal that give Kansas City its reputation for fine steak, to the sparkling waters of the recreational lakes that surround the area.



The Nelson-Atkins Museum of Art

Kansas City has more fountains than Rome and more parkways than Paris. Truly an enchanting city to visit and stay to spend your vacation days.



The Nichols Fountain, Country Club Plaza

The *CROWNE PLAZA HOTEL*, one of Kansas City's finest, is situated two blocks from the Country Club Plaza - a shopping area often compared to Rodeo Drive in Hollywood. There are fourteen city blocks containing 150 of the finest stores in the county; including Brooks Brothers, Overland Outfitters, Sacks Fifth Avenue, Hallmark's Store, Ralph Lauren, Eddie Bauer, FAO Schwarz, and, hey guys - a model train store you wouldn't want miss!! Of course, there are dozens of restaurants, indoor and outdoor. *Food? You just name it!!*

With its exquisite mosaics, statues and sparkling fountains, the Plaza is more than just a shopping district, it's an outdoor museum. The Plaza's Moorish architecture is modeled after Seville, Spain, Kansas City's sister city.

THE CONVENTION

**Plan to arrive Thursday PM
Stay over Sunday (at least!)**

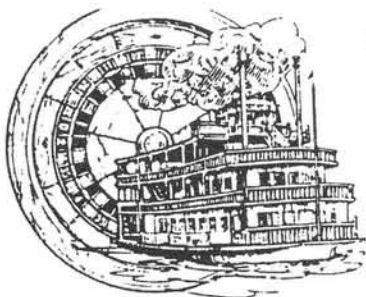
Visit QCWA Web Site at www.teleport.com/~qcwa
Chapter 35 Web Site at www.qni.com/~wa0gkz



Friday morning will start the educational programs and forums which will run through Saturday. Hear Lew McCoy with the latest word on antennas, Bill Pasternak tells about NewsLine and Bob Buus will explain spark gap transmitters to most of us who have never seen one! Other programs too, plus the QCWA and ARRL forums. QCWW will meet Saturday afternoon.

Friday evening we will enjoy the traditional "Sing Along" with Leo Meyerson at the piano. Saturday morning, start your day with a "ham" breakfast..... Saturday evening we will celebrate our 50th year with fellowship, fine food, prizes and/or gifts for everyone and an entertaining after dinner speaker!

*****TOURS*****



ARABIA STEAMBOAT MUSEUM AND OLD CITY MARKET TOUR

Come join us on a magical journey back through time to 1856, America's "Golden Age" of river travel. A time when "side wheelers" ferried everything from pickles to people to the western frontier. See the "Treasures of the Steamboat Arabia" and the adventure which was featured on the History Channel. Then visit the City Market and savor some great Kansas City Barbecue.

IMAX THEATRE AND "PRESIDENT TRUMAN'S TOUR"

Board a deluxe motor coach at 9:00. Tour southern Kansas City to one of the few IMAX theatres in the world where you will see "The Living Sea" shown on the IMAX six story screen with an image ten times larger than a normal screen. You have the sensation of being *in* the movie. Motor on to Stevenson's Apple Orchard for a delightful lunch; then on to Independence to tour "Harry's Town" and visit the impressive Truman Library.



SUNDAY BREAKFAST AT THE "STATION" CASINO

Depart the hotel at 8:30 via motorcoach to the Missouri River to board the permanently moored vessel "KING". Enjoy an "all you can eat" breakfast, then stay aboard for a two hour gaming session. Return to hotel by noon.

SOUTHWEST AIRLINES will be QCWA's official carrier.

Use discount number : R5077 when purchasing tickets.

AVIS CAR RENTAL discount number : J944933

KCI SHUTTLE - \$19 airport to hotel and return

Silent Keys

with sadness we record the passing of these members

WA0DGA,	Mc Clenahan, Harold E, #28756, Omaha, NE,
KA0ICP,	Tompkins, Bruce, #19184, Scottsbluff, NE,
W0PUJ,	Hawkins, Ira A, #17125, Bolivar, MO
K1DBC,	Haviland, Louis M Jr, #23914, Lyndon, VT
K1DUG,	Mosbacher, Michael D, #18429, N Ferrisburg, VT
W1FCO,	Bergstedt, John H, #25519, Groton, CT
W1FOF,	Mc Lean, L Eloise, #01792, Framingham, MA
W1IXA,	Sweetser, Roger, #14001, Sharon, VT
K2BC,	Earnest, W D Jr, #00895, Wyckoff, NJ
K2LG,	Allen, Amory L, #10616, Belford, NJ
W2LTR,	Phelan, Thomas J, #18685, Hobe, Sound, FL
VE3AAI,	Sweet, James L, #15219, Cambridge, ON
W3CAU,	Wiegandt, Karl M, #23256, Allentown, PA
W3HF,	Klugh, William F, #03515, Seibeville, DE
W3JZF,	Glunt, Elliott H, #09028, Silver Spring, MD
W3ND,	Manning, A A, #05598, Camp, Hill, PA
VE3OL,	Gartshore, Less, #14166, Burlingto, ON
VE3YK,	Manson, William, #19929, Carp, ON
K4AST,	Wikstrom, Don, #14070, Richmond, VA
K4GRH,	Parker, Walter J, #08202, Jensen Beach, FL
WA4OZA,	Coleman, Roy B, #23847, Lakeland, FL
W4QI,	Holland, Lemmie L, #10190, Silver City, NC
W4RKN,	Dynesius, Roy S, #14067, Chattanooga, TN
W4TSX,	Van Popering, Alden, #27995, Augusta, GA
N4UZ,	Roloff, H Alftred, #10607, Bremen, GA
K5DB,	Shean, John P, #06110, San Antonio, TX
K5DIT,	Corliss, Edmund B, #19287, El Paso, TX
W5JN,	Ahrens, George W, #05762, Moore, OK
W5KMN,	Stephenson, James H, #21131, Chandler, TX
W5OGZ,	Wiederhold, W T, #06815, Irving, TX
W5UGD,	Hoyt, Violet M, #18760, Fayetteville, AR
KJ6BR,	Woodall, Harry, M, #27385, Coarsegold, CA
W6FO,	Lytle, Art C Jr, #06395, Hendersonville, NC
W6ITU,	Donahue, Walter J, #20542, Novato, CA
K6SEW,	Lusitana, Leo E, #20045, El Cajon, CA
W7EH,	Faber, Leon A, #00767, Phoenix, AZ
W7EII,	Lenzen, Theodor, #21905, Salt Lake City, UT
W7KAD,	Hester, T W, #05654, Sierra Vista, AZ
KG7MG,	Johnson, James A, #25149, Cheney, WA
W7RFG,	Morgan, Frank T, #26319, Nyssa, OR
WA7WJX,	Schwaegler, M O, #06532, Eugene, OR
W8BU,	Russell, James L, #04757, Fairview Park, OH
W8EYH,	Miley, R Clark, #08090, Zephyrhills, FL
W8FB,	Wagner, Paul R, #01748, Oregon, OH
W8GFN,	Mc Nutt, Joseph H, #14756, Miamisburg, OH
K8KCD,	Acheson, A Elizabeth, #21053, La Feria, LA
W8QQ,	Lucas, Harlow L, #09024, Columbus, OH
K8ZBF,	Nissen, Ted, #20124, Holiday, FL
W8ZCK,	Price, William T, #09033, Westerville, OH
W9OFI,	Duncan, Paul, #10120, Decatur, IL
W9WYN,	Miller, Jack O, #17609, Brookfield, IL

Please Note

Before we can publish SK information we need an obituary notice, funeral notice or a note from a family member. Please send all information to QCWA Headquarters.

Correction

In the Spring issue of the Journal, we erroneously reported that **Tom Abare, K1VNE** was a silent key. Tom is quite alive and quite well. The Journal apologizes for the error.

Privacy Bill could affect Scanner Certification

A bill introduced by Rep Edward Markey of Massachusetts that's intended to add privacy protections for consumers using the nation's communication networks has caught the attention of scanner enthusiasts and some amateurs.

One clause in the bill—HR 1964, the Communications Privacy and Consumer Empowerment Act—would expand electronic privacy provisions in the Communications Act from the cellular telephone service to all Commercial Mobile Radio Services (CMRS). It would do this by prohibiting FCC certification of devices capable of receiving these frequencies. The CMRS is a relative new umbrella designation of subscriber based radio services that act like telephone services. Such services include commercial paging services, commercial air-to-ground services, cellular telephone, offshore radiotelephone, personal communication services and specialized mobile radio services. The bill includes digital transmissions in those services.

While the apparent purpose of the change is to ensure the privacy of "telephone" conversations, scanner enthusiasts fear that a worst-case outcome could be to inhibit, if not block completely, the further certification of scanning radios. This could include ham transceivers with out-of-band receiving capability. Such radios must receive FCC certification to be sold legally. Designing cost-effective devices to filter the proscribed frequencies could prove difficult for manufacturers.

This week, the ARRL met with Congressman Markey's staff in Washington to express Amateur Radio concerns about HR 1964. We presented information demonstrating what frequencies would be affected and the impact the bill could have on Amateur Radio public service activities.

"We learned several things," said Steve Mansfield, the League's Legislative and Public Affairs Manager. "First, our suspicions were confirmed that, as a Democratic bill referred to the Republican controlled Commerce Com-

mittee, the bill has very little chance of passage in its present form."

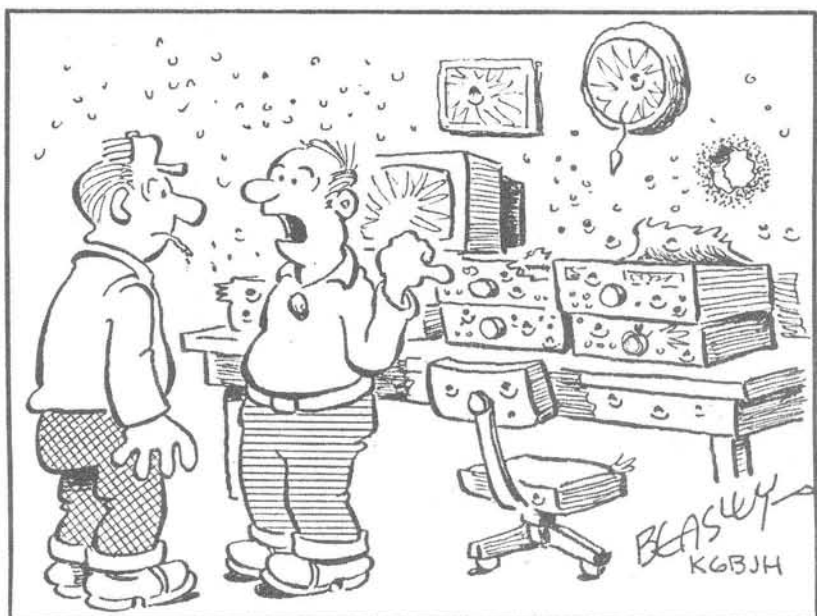
Mansfield said the League contingent also found out that members of Congress do pay attention. "We explained that, in addressing privacy concerns, the bill casts too wide a net and could hurt Amateur Radio interests," he said. "Rep Markey's staff listened attentively to our concerns and invited us to help them craft language to address the problems we outlined, which we are doing." Since provisions within the bill could still be picked up and put in other bills in this or subsequent sessions of Congress, we felt the bill still required changes.

According to Colin Crowell, Markey's Legislative Assistant for telecommunication issues, the provision in question was intended to provide some privacy protections for fee-based "telephone" type services (especially the new PCS service) between now and the time that providers are able to develop robust digital and encryption technologies to ensure privacy. (Tnx ARRL Letter)

Correction

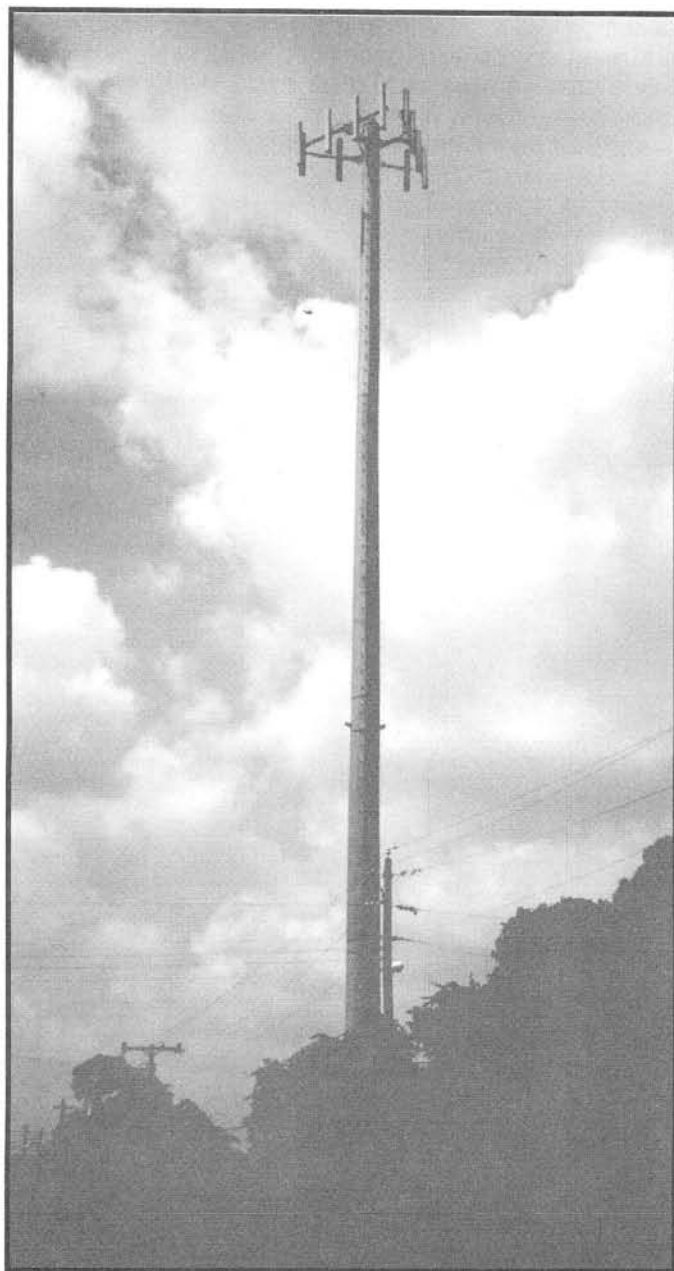
Mr. Dan Henderson, N1ND from Skyland, NC became a QCWA Member February 5, 1997 and was assigned member number 28661. He was sponsored by H.C. Knief, W2YTO.

Mr. Henderson's membership number was incorrectly published and the correction was inadvertently omitted in a subsequent issue. The Journal sincerely apologizes for any inconvenience it may caused Mr. Henderson. He is indeed a member in good standing.



MY WIFE'S HOBBY IS TARGET SHOOTING

And you call my 65 footer an eyesore? !



Throughout my career as a Ham, I have had my share of grief with the gestapo officially charged with administering building permits, zoning regulations, rights-of-way, lawn-watering hours, environmental concerns et al.

At one point, I was required to have an official inspection to calculate whether my 65' tower (already branded as an eyesore) would level my neighbor's home should it fall over.

I had another scrape with the authorities when an official complaint was lodged with the city about my satellite dish firmly planted in concrete 3' in diameter and 4' deep. Seems one of my concerned neighbors spotted my dish in the back yard and saw it as a dangerous flying saucer should a brisk wind blow through our fair city. I guess since he lived so close (2 blocks away) he had reasonable concerns (?). It was also surprising since access to my back yard can only be made by trespassing on my property and the dish can only be seen by jumping up to see over the 8' fence. Moreover, the dish had been there for eight years. Nevertheless, the bureaucracy required a survey and engineering certification to fulfill their paperwork obligations. It only cost me about \$500.00. The net result was should a fair size hurricane strike, my dish would survive but my house would probably perish.

Recently, five of the monsters shown in the picture sprouted up around the city of Melbourne Florida; adjacent to or within residential areas. According to the local news, it was with little or no notice. The towers have incurred the wrath of citizens wanting to know how these "things" came to be approved. There is the usual obfuscation and waffling.

However, the outcry of citizens has prompted the city to begin writing strict tower ordinances and it's no small guess who will ultimately suffer in this battle. This scenario is being played out in many communities throughout the country. Hams must be vigilant to ensure that tower regulations are written with consideration for the amateur radio towers that could easily be lumped in with the cellular towers. For example, a limit of 35' for towers in residential areas is already being suggested locally with no clear distinction being drawn between ham towers and the monster communications towers.

I suppose what constitutes an eyesore is in the eye of the beholder. Perhaps the permit fees and taxes have some bearing on the esthetic characteristics of the monster towers. Maybe the powers that be were counting on a lower cloud cover obscuring the tower.

As far as I'm concerned, my eyesore is a lot prettier than that eyesore. But somewhere down the line, mine will have to go and guess who gets to stay.

Gerry K4EHT

Member Classified

WANTED: Copy of ACP/JANAP 131. State price & condition. Al Cammarata, W3AWU, 9542 Barkwood Court, Fairfax, VA 22032. (703)323-7029.

FOR SALE: HQ-129. works well. RCA studio microphone, vintage 40-50s, with desk stand. Both best offer. You ship. John J. D'Luhy, K2EXI. 115 Ludlow Avenue Spring Lake, N.J. 07762. 732-974-0974

WANTED: WRL Globe Scout 680-A in excellent condition. Also interested in Globe Chief 90. Tom Worthy, W7YW, 8100 Via Del Arbor, Scottsdale, AZ 85258 Ph. (602) 948-3737 e-mail: tworthy@msn.com

FOR SALE: AEA ISO LOOP antenna, incl. IT-1 auto tuner Perfect for restricted communities, New, still in box. New \$750.00. Will sell \$400.00. Will ship. Tom Worthy, W7YW, 8100 Via Del Arbor, Scottsdale, AZ 85258 Ph. (602) 948-3737 e-mail: tworthy@msn.com

WANTED: Collins 51S1, KWM-380, 75S3B/C; RME-9; Hallicrafters SX-88; Hammurand Pro-310; Johnson Kilowatt, 500; Squires Sanders Receiver. Steve, K6PFW, 848 N. Silverwood; Upland, CA 91786 (909) 985-1062

WANTED: 160 meter coil and tuning unit for BC-610, 51J-4 receiver and manuals for R-388, R-390A and 51J-4. Rolynn Prechtel, K7DFW, CBA Ph: (503) 728-4157

WANTED: Vibroplex Zephyr or McElroy bug; early Collins radio equipment, accessories, memorabilia, promotional items. Signal magazines. Brian Roberts, K9VKY, 130 Tara Dr., Fombell, PA 16123. Ph: (412) 758-2688

WANTED: Copy of NAVSHIP Manual 0967-063-2010 "Operation, Maintenance and Installation Instructions With Part List, Radio Receiver R-390A/URR" dated 15 April 1970. Bill Mills (KC5PF), 88 Ellis Mill Road, NE, Milledgeville, GA 31061-9020. e-mail: wmills@gmc.cc.ga.us.

FOR SALE: HQ110A with original 2 meter Hammerlund conversion. Manual. \$275 OBO. Good condition. 915-699-4646 or intj@apex2000.net.

WANTED: Hallicrafters HT32B, Collins 32V3, Model 28 teletype reperf, spare engine, surplus cryptographic machine or parts. Doug Hensley, W5JV, 5678 College Drive, Baton Rouge, Louisiana 70806; e-mail w5jv@amsat.org or 7249712@mcimail.com

WANTED: Your dusty narrow based Vibroplex Bug (3 inches or less). Your McElroy Bug. Early Collins goods. Signal magazines. Brian Roberts, K9VKY, 130 Tara Dr., Fombell, PA 16123. (412) 758-2688.

WANTED: Hallicrafters HT-33-B (amp), Collins 32V3 or repairable KWS-1, model 28 teletype reperf, spare engine, surplus cryptographic machine or parts. Doug Hensley, W5JV, 5678 College Drive, Baton Rouge, Louisiana 70806; email: W5JV@amsat.org or 7249712@mcimail.com

WANTED: Schematics Simplex Model 8J radio and Electronic Measurements Corp. Model 501 RF Gen. George Guler, W0OIR, 206 Alanhurst Way, Sun City Center, FL 33573, ph 813-634-9489, e-mail gguler@ij.net

Please send classified ads to QCWA Journal, 672 Indian River Dr., Melbourne, FL 32935 to arrive no later than 1 month prior to publication date. Ads may also be faxed to 800-421-3279 or e-mailed to gwentz@digital.net

Kindly limit ads to 25 words. Words are counted as follows: WANTED, FOR SALE, FREE, etc. count as 1 word; your address counts as 6 words.

From MILLIWATTS to KILOWATTS

RF POWER TRANSISTORS • TUBES POWER MODULES



Best pricing on U.S. & Russian
Transmitting & Receiving Tubes



3-500ZG • 811A • 833A • 572B
4-400C • 6146B & W • 8560AS • 8875 • 3CX400A7 & U7
3CX1200A7 & Z7 • 3CX1500A7 • 3CX3000A7 • 4CX250B & R
4CX400A • 4CX800A • 4CX1600A & U • 5CX1500A & B
including full range through 4CX20,000A



Complete inventory for servicing
amateur and commercial
communications equipment.

Transistors • RF Modules • Trimmers • Doorknob Capacitors
Heatsinks • Bird Wattmeters • Relays
Broadband Transformers & Combiners



Send for your **FREE 1997 Catalog**

Same Day Shipping on most orders.



800 RF-PARTS • 619-744-0700

Fax: 888-744-1943 • 619-744-1943

e-mail: rfp@rfparts.com



RF PARTS

435 SOUTH PACIFIC STREET
SAN MARCOS, CA 92069

Member Supplies

Certificates

Membership Certificates are numbered in serial order and are issued to each member. Numbers are not reissued except to the same member to whom they were first issued.

QCWA Gold Certificates celebrate the 50th anniversary of licensing. Issued without charge to eligible members upon proof of year of first license.

Gold Certificates are issued in five year increments; 55, 60, 65, 70 and 75 year certificates free of charge to eligible members.

Fifty Year Continuous Licensing Gold Certificate available to eligible members. Requires submission of proof of continuous licensing. There is a \$5 fee for this certificate. Applications are available from QCWA Headquarters.

QCWA Century Club Certificate is issued to QCWA members whose age, when added to their number of years as a QCWA member totals 100 or more. No charge for this certificate.

Meritorious Award Certificate is issued by Headquarters upon request of any active QCWA chapter. One such award is authorized for each chapter each year. The award may be given to recognize unusual dedication to QCWA or amateur radio. No charge for the award.

Operating Awards

QCWA Operating Award Certificates are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

QCWA Worked 50 States Awards are issued to QCWA members who have contacted members in each state of the union.

QCWA Worked 100 Members Awards are issued to QCWA members who have contacted at least 100 QCWA members.

QCWA Worked 60 Chapters Awards are issued to QCWA members who have contacted members of 60 chapters.

QCWA Worked 500 Members Awards are issued to QCWA members who have contacted 500 QCWA members.

QCWA Lapel Pins

Without year tags, tie-tack, safety pin or screw type. Plain pins (no year) - \$10

With year tags (clutch-type only). Specify year; 25, 30, 35, 40, 45, 50, 55, 60, 65, 70 or 75 - \$15

QCWA Life Member pin - \$5

Other Member Supplies

QCWA Embroidered emblem - \$5

450 QCWA Red Stamps (regular) - \$3

450 QCWA Gold Stamps (life) - \$3

400 QCWA Yellow Stamps (50 Year) - \$3

QCWA Cap with logo - \$5

QCWA Chapter Banner - \$200

QCWA Decals - \$1

QCWA QSL cards - (see ad elsewhere)

Please send your order to QCWA Headquarters, 159 E. 16th Ave., Eugene, OR 97401-4017.

Phone (inquiries only, no orders): 541-683-0987, Fax 541-683-4181

We do not accept orders charged to credit cards.

Leading the way in HF technology.

FT-1000MP

Revolutionary All-Mode HF Transceiver with EDSP™

- Enhanced Digital Signal Processing (EDSP™) Noise Reducer, RX/TX waveform Contour shaping control, Digital Notch plus IF Notch, Digital CW Narrow Filters, Microphone Equalization • Shuttle Jog™ Tuning Enhancement • Directional Tuning Scale for CW/Digital Modes and Clarifier Offset Display • Selectable Antenna Jacks • Programmable Tuning Steps • 100W PO • Dual In-band Receive with Separate S-meters • Built-in Collins® SSB Mechanical Filter • CW Electronic Keyer with two Key jacks • CW Spot • Automatic Antenna Tuner • 100-117, 200-234V AC and 13.5V DC power inputs • DC version available • 99 Memories.

FT-1000/D

Elite-Class All-Mode HF Transceiver

- 200W PO • Dual Receive • 108 dB dynamic range • Cascaded IF Filters • Direct Digital Synthesis (DDS) • IF Width/Shift/Notch • CW Spot • CW Audio Peaking Filter • CW Electronic Keyer with two Key jacks • IF Noise Blanker • Automatic Antenna Tuner • RF Speech Processor • Front panel RX Antenna selector switch • Two large fly-wheel-weighted tuning knobs • 99 Memories.

FT-990

High Performance All-Mode HF Transceiver

- Outstanding Cost-Performance • Dual VFOs with Direct Digital Synthesis (DDS) • Band Stacking VFO System • Dual SCAF Filter • Automatic Antenna Tuner • Front Panel RX Antenna Selection • RF Frequency-Shifted Speech Processor • CW Spot/Pitch Control/Electronic Keyer • IF Noise Blanker • IF Shift/Notch • DC Version Available • 90 Memories.

FT-900C/AT

Deluxe Compact HF Transceiver

- Detachable Front Panel Design • 100W PO • Built-in Collins® SSB Mechanical Filter • Automatic Antenna Tuner • IF Shift/Notch • Keypad Frequency Entry • Duct Flow Cooling System • Digital Metering • Adjustable CTCSS Tones • 100 Memories.

FT-840

High Performance Compact HF Transceiver

- High Receiver Dynamic Range • Dual Band Stacking VFOs with Direct Digital Synthesis (DDS) • 100W PO • IF Shift • IF Noise Blanker • Digital Mode Interface • CW-Reverse feature • Adjustable Repeater CTCSS Tones • Optional (External) Automatic Antenna Tuner • 100 Memories.

FT-600

Multi-Purpose HF SSB Transceiver

Frequency Range: RX: 50 kHz - 30 MHz; TX: 160-10M • 100W PO • MIL-STD 810 Rating • Alphanumeric Omni-Glow™ LCD Display • Keypad Frequency Entry • Optional CW (500 Hz) and AM (6 kHz) filters available • Dual Watch • Front-mounted Speaker with High Audio Output • PC Programmable • 100 Memories (in 4 banks of 25).

YAESU

Choice of the World's top DX'ers

For the latest Yaesu news; hottest products, visit us on the Internet! <http://www.yaesu.com>

©1997 Yaesu USA, 17210 Edwards Road, Cerritos, CA 90703, (562) 404-2700

Specifications subject to change without notice. Specifications guaranteed only within amateur bands. Some accessories and/or options are standard in certain areas. Check with your local Yaesu dealer for specific details. Collins is a Registered trademark of Rockwell International Corporation.